1985
Joint Association
SURVEY ON DRILLING COSTS

SPONSORED BY:

- American Petroleum Institute
- Independent Petroleum Association of America
- Mid-Continent Oil & Gas Association

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Washington, D.C. 20005

1985
Joint Association
SURVEY ON DRILLING COSTS

Statistics Department

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PREFACE

The purpose of the Joint Association Survey is to provide annual information pertaining to the cost of drilling oil and gas wells and dry holes in the United States.

As in prior years, data for the 1985 JAS were collected from the petroleum industry through the joint efforts of the American Petroleum Institute, the Independent Petroleum Association of America, and the Mid-Continent Oil and Gas Association.

Washington, D.C.
December 1986

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1985
Joint Association
SURVEY ON DRILLING COSTS

SUMMARY OF FINDINGS. Findings pertaining to 1985 drilling costs and activity in the United States may be summarized as follows:

- The **total cost** of drilling and equipping oil and gas wells and dry holes in 1985 amounted to approximately $23,697 million, a decrease of 6.0 percent from 1984.

- The **average depth of oil wells** completed in 1985 was 4,050 feet, an increase of 2.5 percent; the **average cost per foot** in 1985 was $66.78, an increase of 0.7 percent from the previous year.

- The **average depth of gas wells** completed in 1985 was 5,465 feet, a decrease of 0.9 percent; the **average cost per foot** in 1985 was $93.09, an increase of 4.8 percent from the previous year.

- The **average depth of dry holes** drilled in 1985 was 5,053 feet, an increase of 3.1 percent; the **average cost per foot** was $73.69, an increase of 9.7 percent from 1984.

- The **total number of wells drilled** in 1985 decreased 12.2 percent and the **total footage drilled** decreased 10.3 percent.

- The **total cost of offshore wells** completed in 1985 amounted to approximately $5,079 million, an increase of 1.1 percent from 1984. The **total number of offshore wells** decreased 12.2 percent from 1984 while the **average depth** increased 2.4 percent. The **average cost per foot** in 1985 was $396.33, an increase of 12.5 percent.

- The comparison of drilling activity and the cost of various types of wells completed in 1984 and 1985 is as follows:

	Oil Wells		Gas Wells	
	1984	1985	1984	1985
Wells Drilled	38,976	33,800	14,983	13,854
Footage Drilled (000)	154,018	136,889	82,644	75,707
Total Cost (millions)*	$10,214	$9,141	$7,339	$7,047
Average Depth (feet)	3,952	4,050	5,516	5,465
Average Cost Per Well*	$262,065	$270,446	$489,808	$508,672
Average Cost Per Foot*	$66.32	$66.78	$88.80	$93.09

	Dry Holes		Total Wells	
	1984	1985	1984	1985
Wells Drilled	23,251	20,167	77,210	67,821
Footage Drilled (000)	113,927	101,894	350,589	314,490
Total Cost (millions)*	$7,653	$7,508	$25,206	$23,697
Average Depth (feet)	4,900	5,053	4,541	4,637
Average Cost Per Well*	$329,155	$372,311	$326,463	$349,399
Average Cost Per Foot*	$67.18	$73.69	$71.90	$75.35

*Includes all costs incurred for drilling and equipping wells through the "Christmas tree."

NOTE: Totals may not agree with the sum of the individual items because of independent rounding.

DESCRIPTION OF SURVEY. The 1985 Joint Association Survey (JAS) contains information on drilling costs derived from a sample of wells, footage, and costs collected from operators of different sizes who drilled wells in various areas of the United States. The drilling costs reported are those incurred for drilling and equipping wells through the "Christmas tree."

Estimates of drilling costs were derived by combining sample data with the 1985 drilling statistics as compiled by the American Petroleum Institute (API) and the Committee on Statistics of Drilling of the American Association of Petroleum Geologists (AAPG-CSD). The procedures for preparing these estimates for the 1985 JAS are described in the following sections.

DEFINITIONS. Copies of the 1985 questionnaire, instructions, and definitions may be found in Appendixes A and B. Maps showing geographic subdivisions of Alaska, California, Louisiana, New Mexico, Texas, Offshore Federal Waters Alaska, Offshore Federal Waters Atlantic Coast, Offshore Federal Waters Gulf of Mexico-Northern, and Offshore Federal Waters Pacific Coast are shown in Appendix F.

THE 1985 UNIVERSE. In 1985, the American Petroleum Institute replaced its system of reporting well completions by month of report, (the Quarterly Review of Drilling Statistics), with a dynamic system of reporting wells by month of completion, (the Quarterly Completion Report). This change was instituted to correct the distortions in the data caused by the long lag time between the actual well completion and the reporting of the completion. As a result of these changes, there will be no "final" count of 1985 well completions until year-end 1989. Consequently there will be no reconciliation of the 1985 Survey on Drilling Costs with the Quarterly Completion Report (QCR). The 1985 Survey universe consists of all 1985 wells reported to the Quarterly Completion Report through September 1986, excluding old wells drilled deeper and sidetracked wells, plus wells reported and confirmed by Survey respondents as having been drilled in 1985 but not yet reported to the Quarterly Completion Report. The 1985 Survey on Drilling Costs universe includes 65,871 wells reported to the QCR plus 1,950 wells reported by respondents but not yet reported to the QCR, a total of 67,821 wells. As of the end of the Third Quarter 1986, the estimate of total wells drilled in 1985 was, according to the QCR, 72,086.

THE 1985 SAMPLE. As in previous years, questionnaires were mailed to operators which were recorded as having drilled wells in the different areas of the United States during 1985. Replies to the Survey were contingent upon voluntary responses, with a continued effort being made to increase the sample size, particularly with respect to the smaller operators. An analysis of the number of companies (operators), classified by the number of wells drilled, included in the sample for the years 1981-1985 is shown in Appendix E.

The number of oil wells, gas wells, and dry holes reported to the JAS in 1984 and 1985 as percentages of total wells drilled in each of the six selected states is as follows:

	Percent of Total					
	Oil Wells		Gas Wells		Dry Holes	
	1984	1985	1984	1985	1984	1985
California	82	94	78	62	55	63
Kansas	27	28	29	39	31	32
Louisiana	21	27	37	38	35	42
New Mexico	49	59	67	49	52	50
Oklahoma	21	29	23	38	26	30
Texas	33	40	37	47	23	30

The following tabulation shows the total number of wells and footage reported to the JAS in 1984 and 1985 as compared to the wells and footage which comprised the JAS drilling universe for these two years.

	1984 Survey			1985 Survey		
	Total	Sample	Percent of Total	Total	Sample	Percent of Total
Oil Wells	38,976	12,693	32.6	33,800	13,410	39.7
Footage (thousands)	154,018	62,143	40.3	136,889	65,225	47.6
Total Cost (millions)	$10,214	$5,059	49.5	$9,141	$5,286	57.8
Gas Wells	14,983	4,305	28.7	13,854	5,007	36.1
Footage (thousands)	82,644	29,859	36.1	75,707	34,346	45.4
Total Cost (millions)	$7,339	$3,707	50.5	$7,047	$4,135	58.7
Dry Holes	23,251	6,445	27.7	20,167	6,621	32.8
Footage (thousands)	113,927	42,633	37.4	101,894	45,097	44.3
Total Cost (millions)	$7,653	$4,177	54.6	$7,508	$4,780	63.7
Total Wells	77,210	23,443	30.4	67,821	25,038	37.0
Footage (thousands)	350,589	134,634	38.4	314,490	144,668	46.0
Total Cost	$25,206	$12,943	51.3	$23,697	$14,200	60.0

NOTE: Totals may not agree with the sum of the individual items because of independent rounding.

DETERMINATION OF UNREPORTED WELLS AND FOOTAGE. Individual wells (and footage) derived by adjustment of QCR data were classified according to type of well (oil, gas or dry), location, and depth. Individual wells reported to the JAS were classified in like manner. The wells and footage reported to the JAS in each category were subtracted from the number of wells and footage in corresponding categories for the adjusted universe. The difference represented the unreported wells and footage by type of well, location, and depth interval.

ESTIMATION OF TOTAL COSTS. The average cost per foot drilled in each category was computed on the basis of information reported to the JAS. Based on the sample wells reported for each area, least squares regression analysis was used to determine the functional relationship between the cost per foot and well depth for each type of well. (See Appendix G for a description of the methodology.)

The cost per foot for the unreported wells in each category was then estimated from the least squares analysis for each area. For the relatively few unreported wells falling outside the depth range of the sample, for which regression analysis did not provide meaningful estimates, cost estimates were based on an analysis of costs in similar areas and of prior years' data. This was necessary for approximately 4.2 percent of all unreported wells.

The cost per foot for the unreported wells was then multiplied by the unreported footage in each depth range to obtain the unreported cost for each category. Total estimated expenditures were obtained by adding the reported costs to estimated unreported costs.

FINDINGS FOR 1985. Cost data are shown in Tables 1-53 for the Total United States, Total Onshore United States, and Total Offshore United States as well as for Offshore Federal Waters and Gulf of Mexico-Northern.

Those wells drilled in the Atlantic Coast Federal Waters, Alaska Federal Waters, and Pacific Coast Federal Waters are not shown separately to avoid disclosure of proprietary data, but are included in Table 52, "Offshore Federal Waters" on page 58. However, total wells, footage, and costs for these areas are shown in Table 1.

In addition, expenditures are reported for the individual states and for the subdivisions of Alaska, California, Louisiana, New Mexico, and Texas.

SUMMARY OF SAMPLE DATA FOR 1985. Additional information concerning the cost of exploratory, development, single completion, and multiple completion wells as reported to the Joint Association

Survey is summarized for the United States in Appendixes C and D.

Sample data in these four categories, summarized by depth intervals for individual states, may be purchased from the American Petroleum Institute on magnetic tape or in the form of a computer listing. Data in either format are summarized to the extent necessary to avoid disclosure of individual well costs.

Requests for price quotations should be directed to the Statistics Department, Office of the Director, American Petroleum Institute, 1220 L Street, Northwest, Washington, D.C. 20005. (Note: Orders will be accepted only for the complete summary.)

TABLES CONTAINING FINDINGS

Please note that the average depth and cost per well have not been rounded upward on the following tables.

Table 1

TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND ESTIMATED DRILLING

STATE	OIL WELLS			GAS WELLS		
	WELLS DRILLED	TOTAL FOOTAGE	COST	WELLS DRILLED	TOTAL FOOTAGE	COST
ALABAMA***	60	364,634	25,120,370	112	488,963	64,832,204
ALASKA - ONSHORE	198	1,719,983	375,027,281	1	6,950	2,701,594
ALASKA - OFFSHORE	7	84,467	32,829,172	--	--	--
ALASKA - TOTAL	205	1,804,450	407,856,453	1	6,950	2,701,594
ARKANSAS	386	1,134,423	40,572,872	256	1,212,290	94,747,343
CALIFORNIA - NORTH	6	28,801	2,583,852	115	794,941	67,280,382
CALIFORNIA -CENTRAL COASTAL	139	496,432	61,167,365	2	16,039	3,155,339
CALIFORNIA - EAST CENTRAL	2,529	4,193,265	335,648,778	13	105,095	10,333,980
CALIFORNIA - SOUTH	118	433,379	50,098,652	--	--	--
CALIFORNIA - OFFSHORE	79	432,221	87,739,070	3	37,451	40,992,227
CALIFORNIA - TOTAL	2,871	5,584,098	537,237,717	133	953,526	121,761,928
COLORADO	565	3,761,184	233,879,297	398	2,460,113	157,012,003
FLORIDA	10	131,608	25,073,544	1	15,850	2,108,998
ILLINOIS	1,275	3,112,168	126,144,115	23	13,598	593,964
INDIANA	384	743,494	35,702,435	26	32,491	1,060,809
KANSAS	2,180	7,683,151	270,493,451	524	1,712,141	75,592,567
KENTUCKY	1,011	1,280,072	35,752,365	391	764,502	32,563,078
LOUISIANA - NORTH	1,804	3,307,500	117,645,784	655	2,472,804	144,055,484
LOUISIANA - SOUTH	483	3,809,238	436,973,980	230	2,817,442	501,567,314
LOUISIANA - OFFSHORE	244	2,461,438	825,636,343	197	2,114,695	717,904,045
LOUISIANA - TOTAL	2,531	9,578,176	1,380,256,107	1,082	7,404,941	1,363,526,843
MICHIGAN	243	1,011,951	70,460,413	43	223,968	22,641,318
MISSISSIPPI	155	1,375,114	85,155,377	52	453,149	49,611,832
MONTANA	221	1,150,449	71,433,439	81	152,117	5,663,427
NEBRASKA	88	426,760	12,521,785	1	3,720	80,203
NEW MEXICO - EAST	648	3,982,101	262,119,695	121	1,120,214	105,006,035
NEW MEXICO - WEST	187	1,206,525	90,979,732	447	2,533,593	159,411,205
NEW MEXICO - TOTAL	835	5,188,626	353,099,427	568	3,653,807	264,417,240
NORTH DAKOTA	252	2,343,197	186,578,418	6	82,903	9,301,946
OKLAHOMA	3,676	16,433,905	987,462,898	1,438	9,811,428	1,003,762,301
TEXAS RRC DIST. 1	2,033	4,393,086	170,959,225	115	755,344	63,659,589
TEXAS RRC DIST. 2	142	860,566	56,268,148	211	1,636,476	191,049,263
TEXAS RRC DIST. 3	862	5,975,589	413,660,555	303	2,780,245	316,418,877
TEXAS RRC DIST. 4	261	1,353,378	77,071,030	674	5,907,408	683,021,401
TEXAS RRC DIST. 5	248	1,210,127	75,918,085	130	1,355,081	168,633,870
TEXAS RRC DIST. 6	366	2,002,724	124,101,807	299	2,651,286	285,410,372
TEXAS RRC DIST. 7B	1,850	5,932,788	222,369,052	473	1,560,698	61,157,140
TEXAS RRC DIST. 7C	1,065	6,359,642	345,325,888	187	1,212,787	61,013,348
TEXAS RRC DIST. 8	2,598	15,477,852	914,649,318	73	726,742	124,686,414
TEXAS RRC DIST. 8A	1,484	8,809,206	418,512,304	10	58,549	2,969,000
TEXAS RRC DIST. 9	1,736	5,521,358	218,292,965	237	1,368,002	72,692,527
TEXAS RRC DIST. 10	731	3,207,547	175,731,319	178	1,571,345	114,733,428
TEXAS - OFFSHORE	12	144,765	88,342,377	94	1,019,457	467,513,176
TEXAS - TOTAL	13,388	61,248,628	3,301,202,073	2,984	22,603,420	2,612,960,405
UTAH	193	1,624,138	196,861,472	62	370,570	70,006,793
WYOMING	709	4,421,292	320,229,016	76	809,532	207,085,540
APPALACHIAN*	2,438	5,907,031	184,676,139	5,401	21,766,401	775,225,941
OFFSHORE FED. - ALASKA	2	17,457	61,103,028	--	--	--
OFFSHORE FED. - ATLANTIC	--	--	--	--	--	--
OFFSHORE FED. - GULF NORTH	24	254,942	169,228,625	13	103,099	73,479,420
OFFSHORE FED. - PACIFIC	1	4,947	818,308	--	--	--
OFFSHORE FED - TOTAL	27	277,346	231,149,961	13	103,099	73,479,420
OTHER UNITED STATES**	97	303,564	22,151,079	182	607,046	36,403,976
TOTAL OFFSHORE***	369	3,400,237	1,265,696,923	307	3,274,702	1,299,888,868
TOTAL ONSHORE	33,431	133,489,222	7,875,373,300	13,547	72,431,823	5,747,252,805
TOTAL U.S.	33,800	136,889,459	9,141,070,223	13,854	75,706,525	7,047,141,673
EXPLORATORY WELLS	1,816	10,820,182	1,012,277,334	1,309	8,978,470	1,293,200,491
DEVELOPMENT WELLS	31,984	126,069,277	8,128,792,889	12,545	66,728,055	5,753,941,182

* Includes New York, Ohio, Pennsylvania, and West Virginia.
** Includes Arizona, Georgia, Idaho, Iowa, Missouri, Nevada, Oregon, South Dakota, Tennessee, Virginia, and Washington.
*** Includes two wells for Alabama Offshore.

COSTS FOR OIL AND GAS WELLS, AND DRY HOLES, BY STATE - 1985

Table 1

DRY HOLES			TOTAL WELLS			
WELLS DRILLED	TOTAL FOOTAGE	COST	WELLS DRILLED	TOTAL FOOTAGE	COST	STATE
178	997,040	74,866,193	350	1,850,637	164,818,767	ALABAMA***
6	72,269	104,036,543	205	1,799,202	481,765,418	ALASKA - ONSHORE
--	--	--	7	84,467	32,829,172	ALASKA - OFFSHORE
6	72,269	104,036,543	212	1,883,669	514,594,590	ALASKA - TOTAL
347	1,728,432	103,446,857	989	4,075,145	238,767,072	ARKANSAS
126	850,780	45,085,325	247	1,674,522	114,949,559	CALIFORNIA - NORTH
34	242,128	53,614,363	175	754,599	117,937,067	CALIFORNIA -CENTRAL COASTAL
150	600,607	52,888,840	2,692	4,898,967	398,871,598	CALIFORNIA - EAST CENTRAL
12	57,960	7,495,228	130	491,339	57,593,880	CALIFORNIA - SOUTH
12	113,071	98,419,192	94	582,743	227,150,489	CALIFORNIA - OFFSHORE
334	1,864,546	257,502,948	3,338	8,402,170	916,502,593	CALIFORNIA - TOTAL
552	3,026,178	111,413,600	1,515	9,247,475	502,304,900	COLORADO
11	156,834	11,573,222	22	304,292	38,755,764	FLORIDA
815	1,986,227	45,536,529	2,113	5,111,993	172,274,608	ILLINOIS
484	937,896	22,553,704	894	1,713,881	59,316,948	INDIANA
2,520	9,664,488	176,561,444	5,224	19,059,780	522,647,462	KANSAS
902	1,185,596	20,624,313	2,304	3,230,170	88,939,756	KENTUCKY
900	3,714,277	135,447,694	3,359	9,494,581	397,148,962	LOUISIANA - NORTH
648	7,161,478	773,471,828	1,361	13,788,158	1,712,013,122	LOUISIANA - SOUTH
325	3,405,502	941,029,141	766	7,981,635	2,484,569,529	LOUISIANA - OFFSHORE
1,873	14,281,257	1,849,948,663	5,486	31,264,374	4,593,731,613	LOUISIANA - TOTAL
555	2,756,433	141,267,773	841	3,992,352	234,369,504	MICHIGAN
362	3,055,642	194,324,412	569	4,883,905	329,091,621	MISSISSIPPI
295	1,630,652	85,862,698	597	2,933,218	162,959,564	MONTANA
182	916,978	14,842,674	271	1,347,458	27,444,662	NEBRASKA
240	1,554,287	92,491,778	1,009	6,656,602	459,617,508	NEW MEXICO - EAST
46	176,713	20,265,970	680	3,916,831	270,656,907	NEW MEXICO - WEST
286	1,731,000	112,757,748	1,689	10,573,433	730,274,415	NEW MEXICO - TOTAL
253	2,168,748	103,537,074	511	4,594,848	299,417,438	NORTH DAKOTA
2,130	10,958,818	538,104,464	7,244	37,204,151	2,529,329,663	OKLAHOMA
440	1,673,647	68,198,534	2,588	6,822,077	302,817,348	TEXAS RRC DIST. 1
253	1,669,653	113,002,603	606	4,166,695	360,320,014	TEXAS RRC DIST. 2
530	4,242,981	304,454,118	1,695	12,998,815	1,034,533,550	TEXAS RRC DIST. 3
514	3,791,195	279,661,085	1,449	11,051,981	1,039,753,516	TEXAS RRC DIST. 4
196	1,009,883	53,603,134	574	3,575,091	298,155,089	TEXAS RRC DIST. 5
327	2,269,617	115,347,830	992	6,923,627	524,860,009	TEXAS RRC DIST. 6
1,680	5,026,657	112,230,276	4,003	12,520,143	395,756,468	TEXAS RRC DIST. 7B
438	2,050,405	78,260,552	1,690	9,622,834	484,599,788	TEXAS RRC DIST. 7C
338	2,246,657	150,004,237	3,009	18,451,251	1,189,341,969	TEXAS RRC DIST. 8
394	2,876,512	112,974,766	1,888	11,744,267	534,456,070	TEXAS RRC DIST. 8A
1,357	4,596,023	114,712,966	3,330	11,485,383	405,698,458	TEXAS RRC DIST. 9
149	1,144,522	66,776,420	1,058	5,923,414	357,241,167	TEXAS RRC DIST. 10
126	1,363,385	448,478,434	232	2,527,607	1,004,333,987	TEXAS - OFFSHORE
6,742	33,961,137	2,017,704,955	23,114	117,813,185	7,931,867,433	TEXAS - TOTAL
96	610,209	98,552,570	351	2,604,917	365,420,835	UTAH
678	5,438,233	293,505,859	1,463	10,669,057	820,820,415	WYOMING
310	1,012,420	36,888,461	8,149	28,685,852	996,790,541	APPALACHIAN*
14	135,421	296,073,905	16	152,878	357,176,933	OFFSHORE FED. - ALASKA
--	--	--	--	--	--	OFFSHORE FED. - ATLANTIC
92	1,107,530	714,804,670	129	1,465,571	957,512,715	OFFSHORE FED. - GULF NORTH
2	16,100	14,900,559	3	21,047	15,718,867	OFFSHORE FED. - PACIFIC
108	1,259,051	1,025,779,134	148	1,639,496	1,330,408,515	OFFSHORE FED - TOTAL
148	494,286	67,198,812	427	1,404,896	125,753,867	OTHER UNITED STATES**
571	6,141,009	2,513,705,901	1,247	12,815,948	5,079,291,692	TOTAL OFFSHORE***
19,596	95,753,361	4,994,684,749	66,574	301,674,406	18,617,310,854	TOTAL ONSHORE
20,167	101,894,370	7,508,390,650	67,821	314,490,354	23,696,602,546	TOTAL U.S.
8,920	49,900,682	4,386,904,495	12,045	69,699,334	6,692,382,320	EXPLORATORY WELLS
11,247	51,993,688	3,121,486,155	55,776	244,791,020	17,004,220,226	DEVELOPMENT WELLS

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TOTAL UNITED STATES *

Table 2

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		6,193	688	2,259	9,140				
FOOTAGE	0 - 1,249	5,465,953	557,892	1,733,416	7,757,261	883	811	767	849
COSTS $		209,484,634	20,299,396	44,698,367	274,482,397	33,826	29,505	19,787	30,031
WELLS		7,057	1,743	2,956	11,756				
FOOTAGE	1,250 - 2,499	12,118,228	3,384,089	5,370,612	20,872,929	1,717	1,942	1,817	1,776
COSTS $		538,019,774	139,706,504	132,351,380	810,077,658	76,239	80,153	44,774	68,908
WELLS		5,682	2,459	3,229	11,370				
FOOTAGE	2,500 - 3,749	18,013,483	7,976,013	10,236,306	36,225,802	3,170	3,244	3,170	3,186
COSTS $		799,045,941	335,381,308	281,827,657	1,416,254,906	140,628	136,389	87,280	124,561
WELLS		4,736	2,819	3,597	11,152				
FOOTAGE	3,750 - 4,999	20,814,539	12,024,537	15,720,354	48,559,430	4,395	4,266	4,370	4,354
COSTS $		951,425,002	482,646,994	441,528,430	1,875,600,426	200,892	171,212	122,749	168,185
WELLS		4,872	3,067	3,832	11,771				
FOOTAGE	5,000 - 7,499	29,928,209	18,589,524	23,331,177	71,848,910	6,143	6,061	6,089	6,104
COSTS $		1,744,530,037	993,776,044	895,852,621	3,634,158,702	358,073	324,022	233,782	308,738
WELLS		3,583	1,413	2,191	7,187				
FOOTAGE	7,500 - 9,999	30,861,084	12,195,677	18,856,175	61,912,936	8,613	8,631	8,606	8,615
COSTS $		2,349,585,735	1,107,546,565	1,300,829,590	4,757,961,890	655,759	783,826	593,715	662,023
WELLS		1,263	973	1,203	3,439				
FOOTAGE	10,000 - 12,499	13,895,960	10,765,556	13,286,529	37,948,045	11,002	11,064	11,044	11,035
COSTS $		1,439,053,381	1,370,210,159	1,504,635,513	4,313,899,053	1,139,393	1,408,232	1,250,736	1,254,405
WELLS		333	433	558	1,324				
FOOTAGE	12,500 - 14,999	4,450,982	5,813,373	7,535,842	17,800,197	13,366	13,426	13,505	13,444
COSTS $		700,639,062	1,186,999,037	1,172,147,401	3,059,785,500	2,104,021	2,741,337	2,100,623	2,311,016
WELLS		65	179	242	486				
FOOTAGE	15,000 - 17,499	1,041,826	2,870,946	3,900,768	7,813,540	16,028	16,039	16,119	16,077
COSTS $		297,884,188	859,182,239	1,007,080,556	2,164,146,983	4,582,834	4,799,901	4,161,490	4,452,978
WELLS		14	64	74	152				
FOOTAGE	17,500 - 19,999	253,445	1,174,767	1,362,060	2,790,272	18,103	18,356	18,406	18,357
COSTS $		98,923,039	372,227,865	432,526,827	903,677,731	7,065,932	5,816,061	5,844,957	5,945,248
WELLS		2	16	26	44				
FOOTAGE	20,000 & OVER	45,750	354,151	561,131	961,032	22,875	22,134	21,582	21,842
COSTS $		12,479,430	179,165,562	294,912,308	486,557,300	6,239,715	11,197,848	11,342,781	11,058,120
TOTAL WELLS		33,800	13,854	20,167	67,821				
TOTAL FOOTAGE		136,889,459	75,706,525	101,894,370	314,490,354	4,050	5,465	5,053	4,637
TOTAL COSTS $		9,141,070,223	7,047,141,673	7,508,390,650	23,696,602,546	270,446	508,672	372,311	349,399

* Includes the following states and areas which are not shown separately: Arizona, Georgia, Idaho, Iowa, Missouri, Nevada, Oregon, South Dakota, Tennessee, Virginia, Washington, Offshore Federal Waters-Alaska, and Offshore Federal Waters-Pacific Coast.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TOTAL OFFSHORE *

Table 3

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	930	930	--	--	930	930
COSTS $		--	--	349,339	349,339	--	--	349,339	349,339
WELLS		3	--	3	6				
FOOTAGE	1,250 - 2,499	6,447	--	6,380	12,827	2,149	--	2,127	2,138
COSTS $		1,282,453	--	1,897,128	3,179,581	427,484	--	632,376	529,930
WELLS		11	4	10	25				
FOOTAGE	2,500 - 3,749	36,407	13,884	30,858	81,149	3,310	3,471	3,086	3,246
COSTS $		4,304,695	8,314,084	21,772,985	34,391,764	391,336	2,078,521	2,177,299	1,375,671
WELLS		30	10	11	51				
FOOTAGE	3,750 - 4,999	131,784	43,127	47,277	222,188	4,393	4,313	4,298	4,357
COSTS $		20,347,086	20,767,722	36,505,713	77,620,521	678,236	2,076,772	3,318,701	1,521,971
WELLS		79	39	60	178				
FOOTAGE	5,000 - 7,499	495,288	244,858	386,305	1,126,451	6,269	6,278	6,438	6,328
COSTS $		137,248,906	92,770,025	103,869,432	333,888,363	1,737,328	2,378,719	1,731,157	1,875,777
WELLS		102	82	164	348				
FOOTAGE	7,500 - 9,999	902,152	723,723	1,447,376	3,073,251	8,845	8,826	8,825	8,831
COSTS $		377,119,597	224,077,720	494,574,094	1,095,771,411	3,697,251	2,732,655	3,015,696	3,148,769
WELLS		80	70	152	302				
FOOTAGE	10,000 - 12,499	894,024	780,018	1,695,623	3,369,665	11,175	11,143	11,155	11,158
COSTS $		292,298,118	236,017,387	726,995,693	1,255,311,198	3,653,727	3,371,677	4,782,867	4,156,660
WELLS		40	72	100	212				
FOOTAGE	12,500 - 14,999	538,614	977,892	1,355,620	2,872,126	13,465	13,582	13,556	13,548
COSTS $		223,247,117	452,774,079	518,808,293	1,194,829,489	5,581,178	6,288,529	5,188,083	5,635,988
WELLS		17	24	53	94				
FOOTAGE	15,000 - 17,499	269,709	379,793	849,387	1,498,889	15,865	15,825	16,026	15,946
COSTS $		146,203,195	206,104,944	397,427,849	749,735,988	8,600,188	8,587,706	7,498,639	7,975,915
WELLS		7	5	13	25				
FOOTAGE	17,500 - 19,999	125,812	90,407	236,521	452,740	17,973	18,081	18,194	18,110
COSTS $		63,645,756	56,916,130	139,857,705	260,419,591	9,092,251	11,383,226	10,758,285	10,416,784
WELLS		--	1	4	5				
FOOTAGE	20,000 & OVER	--	21,000	84,732	105,732	--	21,000	21,183	21,146
COSTS $		--	2,146,777	71,647,670	73,794,447	--	2,146,777	17,911,919	14,758,889
TOTAL WELLS		369	307	571	1,247				
TOTAL FOOTAGE		3,400,237	3,274,702	6,141,009	12,815,948	9,215	10,667	10,755	10,277
TOTAL COSTS $		1,265,696,923	1,299,888,868	2,513,705,901	5,079,291,692	3,430,073	4,234,166	4,402,287	4,073,209

* Includes Alabama Offshore, Offshore Federal Waters-Alaska, and Offshore Federal Waters-Pacific Coast, which are not shown separately.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TOTAL ONSHORE *

Table 4

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		6,193	688	2,258	9,139				
FOOTAGE	0 - 1,249	5,465,953	557,892	1,732,486	7,756,331	883	811	767	849
COSTS $		209,484,634	20,299,396	44,349,028	274,133,058	33,826	29,505	19,641	29,996
WELLS		7,054	1,743	2,953	11,750				
FOOTAGE	1,250 - 2,499	12,111,781	3,384,089	5,364,232	20,860,102	1,717	1,942	1,817	1,775
COSTS $		536,737,321	139,706,504	130,454,252	806,898,077	76,090	80,153	44,177	68,672
WELLS		5,671	2,455	3,219	11,345				
FOOTAGE	2,500 - 3,749	17,977,076	7,962,129	10,205,448	36,144,653	3,170	3,243	3,170	3,186
COSTS $		794,741,246	327,067,224	260,054,672	1,381,863,142	140,141	133,225	80,787	121,804
WELLS		4,706	2,809	3,586	11,101				
FOOTAGE	3,750 - 4,999	20,682,755	11,981,410	15,673,077	48,337,242	4,395	4,265	4,371	4,354
COSTS $		931,077,916	461,879,272	405,022,717	1,797,979,905	197,849	164,428	112,946	161,966
WELLS		4,793	3,028	3,772	11,593				
FOOTAGE	5,000 - 7,499	29,432,921	18,344,666	22,944,872	70,722,459	6,141	6,058	6,083	6,100
COSTS $		1,607,281,131	901,006,019	791,983,189	3,300,270,339	335,339	297,558	209,964	284,678
WELLS		3,481	1,331	2,027	6,839				
FOOTAGE	7,500 - 9,999	29,958,932	11,471,954	17,408,799	58,839,685	8,606	8,619	8,588	8,604
COSTS $		1,972,466,138	883,468,845	806,255,496	3,662,190,479	566,638	663,763	397,758	535,486
WELLS		1,183	903	1,051	3,137				
FOOTAGE	10,000 - 12,499	13,001,936	9,985,538	11,590,906	34,578,380	10,991	11,058	11,028	11,023
COSTS $		1,146,755,263	1,134,192,772	777,639,820	3,058,587,855	969,362	1,256,027	739,905	975,004
WELLS		293	361	458	1,112				
FOOTAGE	12,500 - 14,999	3,912,368	4,835,481	6,180,222	14,928,071	13,353	13,395	13,494	13,425
COSTS $		477,391,945	734,224,958	653,339,108	1,864,956,011	1,629,324	2,033,864	1,426,505	1,677,119
WELLS		48	155	189	392				
FOOTAGE	15,000 - 17,499	772,117	2,491,153	3,051,381	6,314,651	16,086	16,072	16,145	16,109
COSTS $		151,680,993	653,077,295	609,652,707	1,414,410,995	3,160,021	4,213,402	3,225,676	3,608,191
WELLS		7	59	61	127				
FOOTAGE	17,500 - 19,999	127,633	1,084,360	1,125,539	2,337,532	18,233	18,379	18,451	18,406
COSTS $		35,277,283	315,311,735	292,669,122	643,258,140	5,039,612	5,344,267	4,797,855	5,065,025
WELLS		2	15	22	39				
FOOTAGE	20,000 & OVER	45,750	333,151	476,399	855,300	22,875	22,210	21,655	21,931
COSTS $		12,479,430	177,018,785	223,264,638	412,762,853	6,239,715	11,801,252	10,148,393	10,583,663
TOTAL WELLS		33,431	13,547	19,596	66,574				
TOTAL FOOTAGE		133,489,222	72,431,823	95,753,361	301,674,406	3,993	5,347	4,886	4,531
TOTAL COSTS $		7,875,373,300	5,747,252,805	4,994,684,749	18,617,310,854	235,571	424,245	254,883	279,648

* Includes the following states and areas which are not shown separately: Arizona, Georgia, Idaho, Iowa, Missouri, Nevada, Oregon, South Dakota, Tennessee, Virginia, and Washington. Note: Includes Alaska-Onshore.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

ALABAMA *

Table 5

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	5	5				
FOOTAGE	0 - 1,249	--	--	4,771	4,771	--	--	954	954
COSTS $		--	--	298,133	298,133	--	--	59,627	59,627
WELLS		15	45	69	129				
FOOTAGE	1,250 - 2,499	34,249	92,984	126,831	254,064	2,283	2,066	1,838	1,969
COSTS $		1,885,574	7,035,148	6,256,779	15,177,501	125,705	156,337	90,678	117,655
WELLS		17	18	24	59				
FOOTAGE	2,500 - 3,749	51,119	55,186	70,843	177,148	3,007	3,066	2,952	3,003
COSTS $		3,371,286	3,728,895	2,943,715	10,043,896	198,311	207,161	122,655	170,236
WELLS		4	24	21	49				
FOOTAGE	3,750 - 4,999	17,946	110,095	95,428	223,469	4,487	4,587	4,544	4,561
COSTS $		1,208,098	6,644,366	3,501,312	11,353,776	302,025	276,849	166,729	231,710
WELLS		4	17	17	38				
FOOTAGE	5,000 - 7,499	22,047	90,972	90,994	204,013	5,512	5,351	5,353	5,369
COSTS $		1,252,763	6,614,983	3,931,895	11,799,641	313,191	389,117	231,288	310,517
WELLS		8	--	1	9				
FOOTAGE	7,500 - 9,999	74,575	--	9,915	84,490	9,322	--	9,915	9,388
COSTS $		2,906,941	--	2,223,363	5,130,304	363,368	--	2,223,363	570,034
WELLS		3	--	3	6				
FOOTAGE	10,000 - 12,499	34,566	--	36,310	70,876	11,522	--	12,103	11,813
COSTS $		3,385,939	--	1,343,858	4,729,797	1,128,646	--	447,953	788,300
WELLS		7	--	23	30				
FOOTAGE	12,500 - 14,999	99,316	--	314,854	414,170	14,188	--	13,689	13,806
COSTS $		8,303,099	--	21,201,365	29,504,464	1,186,157	--	921,799	983,482
WELLS		2	4	12	18				
FOOTAGE	15,000 - 17,499	30,816	62,583	189,220	282,619	15,408	15,646	15,768	15,701
COSTS $		2,806,670	11,970,510	18,417,812	33,194,992	1,403,335	2,992,628	1,534,818	1,844,166
WELLS		--	3	2	5				
FOOTAGE	17,500 - 19,999	--	55,477	36,844	92,321	--	18,492	18,422	18,464
COSTS $		--	8,775,052	6,142,996	14,918,048	--	2,925,017	3,071,498	2,983,610
WELLS		--	1	1	2				
FOOTAGE	20,000 & OVER	--	21,666	21,030	42,696	--	21,666	21,030	21,348
COSTS $		--	20,063,250	8,604,965	28,668,215	--	20,063,251	8,604,965	14,334,108
TOTAL WELLS		60	112	178	350				
TOTAL FOOTAGE		364,634	488,963	997,040	1,850,637	6,077	4,366	5,601	5,288
TOTAL COSTS $		25,120,370	64,832,204	74,866,193	164,818,767	418,673	578,859	420,597	470,911

* Includes two wells for Alabama Offshore.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

ALASKA - TOTAL

Table 6

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		45	1	--	46				
FOOTAGE	5,000 - 7,499	314,541	6,950	--	321,491	6,990	6,950	--	6,989
COSTS $		70,748,323	2,701,594	--	73,449,917	1,572,185	2,701,594	--	1,596,737
WELLS		117	--	2	119				
FOOTAGE	7,500 - 9,999	994,884	--	18,978	1,013,862	8,503	--	9,489	8,520
COSTS $		183,056,292	--	11,305,093	194,361,385	1,564,584	--	5,652,547	1,633,289
WELLS		37	--	2	39				
FOOTAGE	10,000 - 12,499	414,206	--	24,482	438,688	11,195	--	12,241	11,248
COSTS $		120,120,856	--	14,316,270	134,437,126	3,246,510	--	7,158,135	3,447,106
WELLS		6	--	1	7				
FOOTAGE	12,500 - 14,999	80,819	--	13,587	94,406	13,470	--	13,587	13,487
COSTS $		33,930,982	--	31,141,904	65,072,886	5,655,164	--	31,141,905	9,296,127
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	15,222	15,222	--	--	15,222	15,222
COSTS $		--	--	47,273,276	47,273,276	--	--	47,273,276	47,273,276
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		205	1	6	212				
TOTAL FOOTAGE		1,804,450	6,950	72,269	1,883,669	8,802	6,950	12,045	8,885
TOTAL COSTS $		407,856,453	2,701,594	104,036,543	514,594,590	1,989,544	2,701,594	17,339,424	2,427,333

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

ALASKA - ONSHORE

Table 7

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		45	1	--	46				
FOOTAGE	5,000 - 7,499	314,541	6,950	--	321,491	6,990	6,950	--	6,989
COSTS $		70,748,323	2,701,594	--	73,449,917	1,572,185	2,701,594	--	1,596,737
WELLS		116	--	2	118				
FOOTAGE	7,500 - 9,999	985,242	--	18,978	1,004,220	8,493	--	9,489	8,510
COSTS $		179,926,995	--	11,305,093	191,232,088	1,551,095	--	5,652,547	1,620,611
WELLS		34	--	2	36				
FOOTAGE	10,000 - 12,499	379,692	--	24,482	404,174	11,167	--	12,241	11,227
COSTS $		103,371,553	--	14,316,270	117,687,823	3,040,340	--	7,158,135	3,269,106
WELLS		3	--	1	4				
FOOTAGE	12,500 - 14,999	40,508	--	13,587	54,095	13,503	--	13,587	13,524
COSTS $		20,980,410	--	31,141,904	52,122,314	6,993,470	--	31,141,905	13,030,579
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	15,222	15,222	--	--	15,222	15,222
COSTS $		--	--	47,273,276	47,273,276	--	--	47,273,276	47,273,276
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		198	1	6	205				
TOTAL FOOTAGE		1,719,983	6,950	72,269	1,799,202	8,687	6,950	12,045	8,777
TOTAL COSTS $		375,027,281	2,701,594	104,036,543	481,765,418	1,894,077	2,701,594	17,339,424	2,350,075

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

ALASKA - OFFSHORE

Table 8

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	5,000 - 7,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		1	--	--	1				
FOOTAGE	7,500 - 9,999	9,642	--	--	9,642	9,642	--	--	9,642
COSTS $		3,129,297	--	--	3,129,297	3,129,297	--	--	3,129,297
WELLS		3	--	--	3				
FOOTAGE	10,000 - 12,499	34,514	--	--	34,514	11,505	--	--	11,505
COSTS $		16,749,303	--	--	16,749,303	5,583,101	--	--	5,583,101
WELLS		3	--	--	3				
FOOTAGE	12,500 - 14,999	40,311	--	--	40,311	13,437	--	--	13,437
COSTS $		12,950,572	--	--	12,950,572	4,316,858	--	--	4,316,858
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		7	--	--	7				
TOTAL FOOTAGE		84,467	--	--	84,467	12,067	--	--	12,067
TOTAL COSTS $		32,829,172	--	--	32,829,172	4,689,882	--	--	4,689,882

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

ARKANSAS

Table 9

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		3	47	24	74				
FOOTAGE	0 - 1,249	3,718	22,634	14,257	40,609	1,239	482	594	549
COSTS $		117,978	3,297,051	262,603	3,677,632	39,326	70,150	10,942	49,698
WELLS		209	13	43	265				
FOOTAGE	1,250 - 2,499	298,725	25,320	72,660	396,705	1,429	1,948	1,690	1,497
COSTS $		8,890,472	2,213,201	1,311,852	12,415,525	42,538	170,246	30,508	46,851
WELLS		73	24	64	161				
FOOTAGE	2,500 - 3,749	214,941	72,956	199,811	487,708	2,944	3,040	3,122	3,029
COSTS $		6,073,644	4,697,095	5,695,556	16,466,295	83,201	195,712	88,993	102,275
WELLS		39	32	65	136				
FOOTAGE	3,750 - 4,999	172,781	140,544	284,519	597,844	4,430	4,392	4,377	4,396
COSTS $		5,182,260	10,042,605	7,605,848	22,830,713	132,878	313,831	117,013	167,873
WELLS		35	103	80	218				
FOOTAGE	5,000 - 7,499	208,211	636,848	497,406	1,342,465	5,949	6,183	6,218	6,158
COSTS $		7,953,146	50,839,515	22,442,326	81,234,987	227,233	493,588	280,529	372,638
WELLS		24	34	51	109				
FOOTAGE	7,500 - 9,999	201,750	279,983	428,920	910,653	8,406	8,235	8,410	8,355
COSTS $		10,148,785	20,352,547	19,415,797	49,917,129	422,866	598,604	380,702	457,955
WELLS		3	3	15	21				
FOOTAGE	10,000 - 12,499	34,297	34,005	164,582	232,884	11,432	11,335	10,972	11,090
COSTS $		2,206,587	3,305,329	21,550,027	27,061,943	735,529	1,101,776	1,436,669	1,288,664
WELLS		--	--	5	5				
FOOTAGE	12,500 - 14,999	--	--	66,277	66,277	--	--	13,255	13,255
COSTS $		--	--	25,162,848	25,162,848	--	--	5,032,570	5,032,570
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		386	256	347	989				
TOTAL FOOTAGE		1,134,423	1,212,290	1,728,432	4,075,145	2,939	4,736	4,981	4,120
TOTAL COSTS $		40,572,872	94,747,343	103,446,857	238,767,072	105,111	370,107	298,118	241,423

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

CALIFORNIA - TOTAL

Table 10

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,048	--	39	1,087				
FOOTAGE	0 - 1,249	1,035,316	--	36,333	1,071,649	988	--	932	986
COSTS $		77,543,791	--	3,240,873	80,784,664	73,992	--	83,099	74,319
WELLS		1,329	5	46	1,380				
FOOTAGE	1,250 - 2,499	2,122,964	10,006	73,988	2,206,958	1,597	2,001	1,608	1,599
COSTS $		152,873,845	983,360	5,116,544	158,973,749	115,029	196,672	111,229	115,198
WELLS		220	4	29	253				
FOOTAGE	2,500 - 3,749	669,282	11,412	91,846	772,540	3,042	2,853	3,167	3,054
COSTS $		57,640,593	870,967	9,094,737	67,606,297	262,003	217,742	313,612	267,219
WELLS		101	13	37	151				
FOOTAGE	3,750 - 4,999	428,785	56,241	158,983	644,009	4,245	4,326	4,297	4,265
COSTS $		54,999,050	4,610,046	9,049,316	68,658,412	544,545	354,619	244,576	454,691
WELLS		102	53	88	243				
FOOTAGE	5,000 - 7,499	613,544	344,633	551,145	1,509,322	6,015	6,503	6,263	6,211
COSTS $		79,244,353	27,966,486	38,453,861	145,664,700	776,905	527,670	436,976	599,443
WELLS		39	47	53	139				
FOOTAGE	7,500 - 9,999	326,570	397,731	442,921	1,167,222	8,374	8,462	8,357	8,397
COSTS $		48,253,706	35,873,294	51,880,921	136,007,921	1,237,275	763,262	978,885	978,474
WELLS		21	6	27	54				
FOOTAGE	10,000 - 12,499	241,308	70,267	298,011	609,586	11,491	11,711	11,037	11,289
COSTS $		44,033,571	8,466,655	55,729,442	108,229,668	2,096,837	1,411,109	2,064,053	2,004,253
WELLS		11	5	12	28				
FOOTAGE	12,500 - 14,999	146,329	63,236	161,866	371,431	13,303	12,647	13,489	13,265
COSTS $		22,648,808	42,991,120	31,885,194	97,525,122	2,058,983	8,598,224	2,657,100	3,483,040
WELLS		--	--	2	2				
FOOTAGE	15,000 - 17,499	--	--	31,749	31,749	--	--	15,875	15,875
COSTS $		--	--	40,428,784	40,428,784	--	--	20,214,393	20,214,393
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	17,704	17,704	--	--	17,704	17,704
COSTS $		--	--	12,623,276	12,623,276	--	--	12,623,276	12,623,276
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		2,871	133	334	3,338				
TOTAL FOOTAGE		5,584,098	953,526	1,864,546	8,402,170	1,945	7,169	5,582	2,517
TOTAL COSTS $		537,237,717	121,761,928	257,502,948	916,502,593	187,126	915,503	770,967	274,566

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

CALIFORNIA - NORTH

Table 11

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		1	4	1	6				
FOOTAGE	1,250 - 2,499	2,440	8,674	2,250	13,364	2,440	2,169	2,250	2,227
COSTS $		351,111	921,033	153,347	1,425,491	351,111	230,258	153,347	237,582
WELLS		1	4	6	11				
FOOTAGE	2,500 - 3,749	3,153	11,412	17,537	32,102	3,153	2,853	2,923	2,918
COSTS $		373,626	870,967	801,750	2,046,343	373,626	217,742	133,625	186,031
WELLS		2	9	21	32				
FOOTAGE	3,750 - 4,999	8,160	39,191	91,704	139,055	4,080	4,355	4,367	4,345
COSTS $		746,482	3,094,344	3,616,405	7,457,231	373,241	343,816	172,210	233,038
WELLS		1	51	53	105				
FOOTAGE	5,000 - 7,499	7,245	333,028	332,093	672,366	7,245	6,530	6,266	6,403
COSTS $		360,960	27,569,535	16,273,861	44,204,356	360,960	540,579	307,054	420,994
WELLS		1	45	32	78				
FOOTAGE	7,500 - 9,999	7,803	381,692	265,435	654,930	7,803	8,482	8,295	8,397
COSTS $		751,673	32,717,955	11,311,766	44,781,394	751,673	727,066	353,493	574,120
WELLS		--	2	12	14				
FOOTAGE	10,000 - 12,499	--	20,944	129,245	150,189	--	10,472	10,770	10,728
COSTS $		--	2,106,548	10,919,715	13,026,263	--	1,053,274	909,976	930,447
WELLS		--	--	1	1				
FOOTAGE	12,500 - 14,999	--	--	12,516	12,516	--	--	12,516	12,516
COSTS $		--	--	2,008,481	2,008,481	--	--	2,008,481	2,008,481
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		6	115	126	247				
TOTAL FOOTAGE		28,801	794,941	850,780	1,674,522	4,800	6,913	6,752	6,779
TOTAL COSTS $		2,583,852	67,280,382	45,085,325	114,949,559	430,642	585,047	357,820	465,383

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

CALIFORNIA -CENTRAL COASTAL

Table 12

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	0 - 1,249	2	--	--	2				
FOOTAGE		2,280	--	--	2,280	1,140	--	--	1,140
COSTS $		287,443	--	--	287,443	143,722	--	--	143,722
WELLS	1,250 - 2,499	69	--	1	70				
FOOTAGE		153,769	--	2,000	155,769	2,229	--	2,000	2,225
COSTS $		14,826,266	--	274,049	15,100,315	214,873	--	274,049	215,719
WELLS	2,500 - 3,749	28	--	6	34				
FOOTAGE		81,954	--	18,896	100,850	2,927	--	3,149	2,966
COSTS $		8,821,793	--	2,227,261	11,049,054	315,064	--	371,210	324,972
WELLS	3,750 - 4,999	11	--	3	14				
FOOTAGE		48,497	--	12,645	61,142	4,409	--	4,215	4,367
COSTS $		7,974,561	--	1,001,443	8,976,004	724,960	--	333,814	641,143
WELLS	5,000 - 7,499	21	--	10	31				
FOOTAGE		132,852	--	62,798	195,650	6,326	--	6,280	6,311
COSTS $		16,692,618	--	8,408,393	25,101,011	794,887	--	840,839	809,710
WELLS	7,500 - 9,999	6	2	7	15				
FOOTAGE		49,626	16,039	58,631	124,296	8,271	8,020	8,376	8,286
COSTS $		6,970,282	3,155,339	11,675,283	21,800,904	1,161,714	1,577,670	1,667,898	1,453,394
WELLS	10,000 - 12,499	--	--	5	5				
FOOTAGE		--	--	56,690	56,690	--	--	11,338	11,338
COSTS $		--	--	15,915,844	15,915,844	--	--	3,183,169	3,183,169
WELLS	12,500 - 14,999	2	--	1	3				
FOOTAGE		27,454	--	12,764	40,218	13,727	--	12,764	13,406
COSTS $		5,594,402	--	1,488,814	7,083,216	2,797,201	--	1,488,814	2,361,072
WELLS	15,000 - 17,499	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	17,500 - 19,999	--	--	1	1				
FOOTAGE		--	--	17,704	17,704	--	--	17,704	17,704
COSTS $		--	--	12,623,276	12,623,276	--	--	12,623,276	12,623,276
WELLS	20,000 & OVER	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		**139**	**2**	**34**	**175**				
TOTAL FOOTAGE		**496,432**	**16,039**	**242,128**	**754,599**	**3,571**	**8,020**	**7,121**	**4,312**
TOTAL COSTS $		**61,167,365**	**3,155,339**	**53,614,363**	**117,937,067**	**440,053**	**1,577,670**	**1,576,893**	**673,926**

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

CALIFORNIA - EAST CENTRAL

Table 13

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,040	--	39	1,079				
FOOTAGE	0 - 1,249	1,026,138	--	36,333	1,062,471	987	--	932	985
COSTS $		76,809,343	--	3,240,873	80,050,216	73,855	--	83,099	74,189
WELLS		1,210	1	39	1,250				
FOOTAGE	1,250 - 2,499	1,876,912	1,332	60,396	1,938,640	1,551	1,332	1,549	1,551
COSTS $		128,407,019	62,327	3,737,923	132,207,269	106,122	62,327	95,844	105,766
WELLS		164	--	14	178				
FOOTAGE	2,500 - 3,749	498,839	--	45,496	544,335	3,042	--	3,250	3,058
COSTS $		37,769,595	--	3,859,111	41,628,706	230,302	--	275,651	233,869
WELLS		40	4	12	56				
FOOTAGE	3,750 - 4,999	162,305	17,050	49,901	229,256	4,058	4,263	4,158	4,094
COSTS $		19,009,926	1,515,702	3,018,474	23,544,102	475,248	378,926	251,540	420,430
WELLS		31	2	20	53				
FOOTAGE	5,000 - 7,499	184,341	11,605	127,659	323,605	5,946	5,803	6,383	6,106
COSTS $		19,471,769	396,951	7,315,853	27,184,573	628,122	198,476	365,793	512,916
WELLS		23	--	11	34				
FOOTAGE	7,500 - 9,999	189,962	--	91,398	281,360	8,259	--	8,309	8,275
COSTS $		18,629,148	--	5,450,304	24,079,452	809,963	--	495,482	708,219
WELLS		14	3	7	24				
FOOTAGE	10,000 - 12,499	163,383	37,143	78,778	279,304	11,670	12,381	11,254	11,638
COSTS $		22,397,558	4,204,000	7,871,181	34,472,739	1,599,826	1,401,333	1,124,454	1,436,364
WELLS		7	3	7	17				
FOOTAGE	12,500 - 14,999	91,385	37,965	95,423	224,773	13,055	12,655	13,632	13,222
COSTS $		13,154,420	4,155,000	14,866,501	32,175,921	1,879,203	1,385,000	2,123,786	1,892,701
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	15,223	15,223	--	--	15,223	15,223
COSTS $		--	--	3,528,620	3,528,620	--	--	3,528,620	3,528,620
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		2,529	13	150	2,692				
TOTAL FOOTAGE		4,193,265	105,095	600,607	4,898,967	1,658	8,084	4,004	1,820
TOTAL COSTS $		335,648,778	10,333,980	52,888,040	398,871,598	132,720	794,922	352,592	148,169

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

CALIFORNIA - SOUTH

Table 14

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		6	--	--	6				
FOOTAGE	0 - 1,249	6,898	--	--	6,898	1,150	--	--	1,150
COSTS $		447,005	--	--	447,005	74,501	--	--	74,501
WELLS		47	--	5	52				
FOOTAGE	1,250 - 2,499	85,156	--	9,342	94,498	1,812	--	1,868	1,817
COSTS $		8,886,996	--	951,225	9,838,221	189,085	--	190,245	189,197
WELLS		16	--	3	19				
FOOTAGE	2,500 - 3,749	48,929	--	9,917	58,846	3,058	--	3,306	3,097
COSTS $		6,370,884	--	2,206,615	8,577,499	398,180	--	735,538	451,447
WELLS		20	--	--	20				
FOOTAGE	3,750 - 4,999	87,876	--	--	87,876	4,394	--	--	4,394
COSTS $		9,805,388	--	--	9,805,388	490,269	--	--	490,269
WELLS		22	--	1	23				
FOOTAGE	5,000 - 7,499	130,149	--	5,457	135,606	5,916	--	5,457	5,896
COSTS $		13,361,088	--	1,353,263	14,714,351	607,322	--	1,353,263	639,754
WELLS		2	--	1	3				
FOOTAGE	7,500 - 9,999	18,745	--	9,910	28,655	9,373	--	9,910	9,552
COSTS $		4,125,114	--	941,450	5,066,564	2,062,557	--	941,450	1,688,855
WELLS		4	--	1	5				
FOOTAGE	10,000 - 12,499	42,093	--	10,334	52,427	10,523	--	10,334	10,485
COSTS $		5,728,555	--	937,675	6,666,230	1,432,139	--	937,675	1,333,246
WELLS		1	--	1	2				
FOOTAGE	12,500 - 14,999	13,533	--	13,000	26,533	13,533	--	13,000	13,267
COSTS $		1,373,622	--	1,105,000	2,478,622	1,373,622	--	1,105,000	1,239,311
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		118	--	12	130				
TOTAL FOOTAGE		433,379	--	57,960	491,339	3,673	--	4,830	3,780
TOTAL COSTS $		50,098,652	--	7,495,228	57,593,880	424,565	--	624,602	443,030

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

CALIFORNIA - OFFSHORE

Table 15

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		2	--	--	2				
FOOTAGE	1,250 - 2,499	4,687	--	--	4,687	2,344	--	--	2,344
COSTS $		402,453	--	--	402,453	201,227	--	--	201,227
WELLS		11	--	--	11				
FOOTAGE	2,500 - 3,749	36,407	--	--	36,407	3,310	--	--	3,310
COSTS $		4,304,695	--	--	4,304,695	391,336	--	--	391,336
WELLS		28	--	1	29				
FOOTAGE	3,750 - 4,999	121,947	--	4,733	126,680	4,355	--	4,733	4,368
COSTS $		17,462,693	--	1,412,994	18,875,687	623,668	--	1,412,994	650,886
WELLS		27	--	4	31				
FOOTAGE	5,000 - 7,499	158,957	--	23,138	182,095	5,887	--	5,785	5,874
COSTS $		29,357,918	--	5,102,491	34,460,409	1,087,330	--	1,275,623	1,111,626
WELLS		7	--	2	9				
FOOTAGE	7,500 - 9,999	60,434	--	17,547	77,981	8,633	--	8,774	8,665
COSTS $		17,777,489	--	22,502,118	40,279,607	2,539,641	--	11,251,059	4,475,512
WELLS		3	1	2	6				
FOOTAGE	10,000 - 12,499	35,832	12,180	22,964	70,976	11,944	12,180	11,482	11,829
COSTS $		15,907,458	2,156,107	20,085,027	38,148,592	5,302,486	2,156,107	10,042,514	6,358,099
WELLS		1	2	2	5				
FOOTAGE	12,500 - 14,999	13,957	25,271	28,163	67,391	13,957	12,636	14,082	13,478
COSTS $		2,526,364	38,836,120	12,416,398	53,778,882	2,526,364	19,418,060	6,208,199	10,755,776
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	16,526	16,526	--	--	16,526	16,526
COSTS $		--	--	36,900,164	36,900,164	--	--	36,900,164	36,900,164
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		79	3	12	94				
TOTAL FOOTAGE		432,221	37,451	113,071	582,743	5,471	12,484	9,423	6,199
TOTAL COSTS $		87,739,070	40,992,227	98,419,192	227,150,489	1,110,621	13,664,076	8,201,600	2,416,495

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

Table 16

COLORADO

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		3	--	12	15				
FOOTAGE	0 - 1,249	2,790	--	9,829	12,619	930	--	819	841
COSTS $		122,137	--	623,066	745,203	40,712	--	51,922	49,680
WELLS		4	34	27	65				
FOOTAGE	1,250 - 2,499	7,588	63,609	53,559	124,756	1,897	1,871	1,984	1,919
COSTS $		333,738	4,787,826	2,248,646	7,370,210	83,435	140,818	83,283	113,388
WELLS		13	57	31	101				
FOOTAGE	2,500 - 3,749	41,409	167,374	97,028	305,811	3,185	2,936	3,130	3,028
COSTS $		3,016,297	10,969,923	4,922,328	18,908,548	232,023	192,455	158,785	187,213
WELLS		34	13	103	150				
FOOTAGE	3,750 - 4,999	154,716	57,452	485,736	697,904	4,550	4,419	4,716	4,653
COSTS $		9,794,661	4,583,009	12,663,740	27,041,410	288,078	352,539	122,949	180,276
WELLS		398	184	318	900				
FOOTAGE	5,000 - 7,499	2,633,396	1,269,920	1,869,063	5,772,379	6,617	6,902	5,878	6,414
COSTS $		158,229,226	70,419,358	60,968,701	289,617,285	397,561	382,714	191,725	321,797
WELLS		109	109	57	275				
FOOTAGE	7,500 - 9,999	876,234	890,734	470,028	2,236,996	8,039	8,172	8,246	8,135
COSTS $		53,077,804	61,443,939	25,142,093	139,663,836	486,952	563,706	441,089	507,869
WELLS		4	1	4	9				
FOOTAGE	10,000 - 12,499	45,051	11,024	40,935	97,010	11,263	11,024	10,234	10,779
COSTS $		9,305,434	4,807,948	4,845,026	18,958,408	2,326,359	4,807,948	1,211,257	2,106,490
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--				
COSTS $		--	--	--	--	--	--	--	--
						--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--				
COSTS $		--	--	--	--	--	--	--	--
						--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--				
COSTS $		--	--	--	--	--	--	--	--
						--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--				
COSTS $		--	--	--	--	--	--	--	--
						--	--	--	--
TOTAL WELLS		565	398	552	1,515				
TOTAL FOOTAGE		3,761,184	2,460,113	3,026,178	9,247,475	6,657	6,181	5,482	6,104
TOTAL COSTS $		233,879,297	157,012,003	111,413,600	502,304,900	413,946	394,503	201,836	331,554

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

FLORIDA

Table 17

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	5,000 - 7,499	--	--	6,888	6,888	--	--	6,888	6,888
COSTS $		--	--	812,147	812,147	--	--	812,147	812,147
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		6	--	3	9				
FOOTAGE	10,000 - 12,499	71,330	--	35,084	106,414	11,888	--	11,695	11,824
COSTS $		12,571,616	--	2,493,578	15,065,194	2,095,269	--	831,193	1,673,911
WELLS		1	--	--	1				
FOOTAGE	12,500 - 14,999	12,712	--	--	12,712	12,712	--	--	12,712
COSTS $		4,005,313	--	--	4,005,313	4,005,313	--	--	4,005,313
WELLS		3	1	7	11				
FOOTAGE	15,000 - 17,499	47,566	15,850	114,862	178,278	15,855	15,850	16,409	16,207
COSTS $		8,496,615	2,108,998	8,267,497	18,873,110	2,832,205	2,108,998	1,181,071	1,715,737
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		10	1	11	22				
TOTAL FOOTAGE		131,608	15,850	156,834	304,292	13,161	15,850	14,258	13,831
TOTAL COSTS $		25,073,544	2,108,998	11,573,222	38,755,764	2,507,355	2,108,998	1,052,111	1,761,626

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

ILLINOIS

Table 18

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		307	22	182	511				
FOOTAGE	0 - 1,249	253,826	11,428	125,055	390,309	827	519	687	764
COSTS $		14,505,076	491,974	2,368,284	17,365,334	47,248	22,362	13,013	33,983
WELLS		267	1	177	445				
FOOTAGE	1,250 - 2,499	510,209	2,170	340,548	852,927	1,911	2,170	1,924	1,917
COSTS $		24,132,690	101,990	7,553,834	31,788,514	90,385	101,990	42,677	71,435
WELLS		555	--	373	928				
FOOTAGE	2,500 - 3,749	1,719,602	--	1,172,575	2,892,177	3,098	--	3,144	3,117
COSTS $		63,558,623	--	25,897,671	89,456,294	114,520	--	69,431	96,397
WELLS		130	--	79	209				
FOOTAGE	3,750 - 4,999	528,636	--	325,166	853,802	4,066	--	4,116	4,085
COSTS $		18,555,566	--	8,813,241	27,368,807	142,735	--	111,560	130,951
WELLS		14	--	4	18				
FOOTAGE	5,000 - 7,499	75,164	--	22,883	98,047	5,369	--	5,721	5,447
COSTS $		2,763,666	--	903,499	3,667,165	197,405	--	225,875	203,731
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		1	--	--	1				
FOOTAGE	10,000 - 12,499	11,029	--	--	11,029	11,029	--	--	11,029
COSTS $		970,552	--	--	970,552	970,552	--	--	970,552
WELLS		1	--	--	1				
FOOTAGE	12,500 - 14,999	13,702	--	--	13,702	13,702	--	--	13,702
COSTS $		1,657,942	--	--	1,657,942	1,657,942	--	--	1,657,942
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		1,275	23	815	2,113				
TOTAL FOOTAGE		3,112,168	13,598	1,986,227	5,111,993	2,441	591	2,437	2,419
TOTAL COSTS $		126,144,115	593,964	45,536,529	172,274,608	98,937	25,825	55,873	81,531

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

INDIANA

Table 19

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		94	16	97	207				
FOOTAGE	0 - 1,249	81,384	13,098	87,247	181,729	866	819	899	878
COSTS $		3,293,308	402,272	1,851,914	5,547,494	35,035	25,142	19,092	26,799
WELLS		163	7	258	428				
FOOTAGE	1,250 - 2,499	291,019	11,237	474,473	776,729	1,785	1,605	1,829	1,815
COSTS $		11,875,968	361,303	10,561,295	22,798,566	72,859	51,615	40,935	53,268
WELLS		124	3	124	251				
FOOTAGE	2,500 - 3,749	359,403	8,156	354,883	722,442	2,898	2,719	2,862	2,878
COSTS $		19,811,012	297,234	9,406,347	29,514,593	159,766	99,078	75,858	117,588
WELLS		3	--	5	8				
FOOTAGE	3,750 - 4,999	11,688	--	21,293	32,981	3,896	--	4,259	4,123
COSTS $		722,147	--	734,148	1,456,295	240,716	--	146,830	182,037
WELLS		--	--	--	--				
FOOTAGE	5,000 - 7,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		384	26	484	894				
TOTAL FOOTAGE		743,494	32,491	937,896	1,713,881	1,936	1,250	1,938	1,917
TOTAL COSTS $		35,702,435	1,060,809	22,553,704	59,316,948	92,975	40,800	46,599	66,350

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

KANSAS

Table 20

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		171	80	75	326				
FOOTAGE	0 - 1,249	151,836	66,860	57,631	276,327	888	836	768	848
COSTS $		3,147,171	1,427,136	2,594,150	7,168,457	18,405	17,839	34,589	21,989
WELLS		223	136	211	570				
FOOTAGE	1,250 - 2,499	401,581	217,965	390,219	1,009,765	1,801	1,603	1,849	1,772
COSTS $		9,891,107	8,977,273	7,012,555	25,880,935	44,355	66,009	33,235	45,405
WELLS		851	108	787	1,746				
FOOTAGE	2,500 - 3,749	2,848,584	339,744	2,641,436	5,829,764	3,347	3,146	3,356	3,339
COSTS $		88,319,778	19,162,962	43,557,472	151,040,212	103,784	177,435	55,346	86,506
WELLS		765	71	1,208	2,044				
FOOTAGE	3,750 - 4,999	3,316,254	321,554	5,233,689	8,871,497	4,335	4,529	4,333	4,340
COSTS $		118,440,375	13,115,719	88,610,701	220,166,795	154,824	184,728	73,353	107,714
WELLS		170	128	237	535				
FOOTAGE	5,000 - 7,499	964,896	758,428	1,322,639	3,045,963	5,676	5,925	5,581	5,693
COSTS $		50,695,020	32,745,360	32,796,040	116,236,420	298,206	255,823	138,380	217,264
WELLS		--	1	1	2				
FOOTAGE	7,500 - 9,999	--	7,590	7,574	15,164	--	7,590	7,574	7,582
COSTS $		--	164,117	268,288	432,405	--	164,117	268,288	216,203
WELLS		--	--	1	1				
FOOTAGE	10,000 - 12,499	--	--	11,300	11,300	--	--	11,300	11,300
COSTS $		--	--	1,722,238	1,722,238	--	--	1,722,238	1,722,238
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		2,180	524	2,520	5,224				
TOTAL FOOTAGE		7,683,151	1,712,141	9,664,488	19,059,780	3,524	3,267	3,835	3,649
TOTAL COSTS $		270,493,451	75,592,567	176,561,444	522,647,462	124,080	144,261	70,064	100,047

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

KENTUCKY

Table 21

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		415	112	453	980				
FOOTAGE	0 - 1,249	310,991	79,333	309,937	700,261	749	708	684	715
COSTS $		7,361,311	2,364,746	4,169,224	13,895,281	17,738	21,114	9,204	14,179
WELLS		555	175	383	1,113				
FOOTAGE	1,250 - 2,499	844,438	306,795	670,957	1,822,190	1,522	1,753	1,752	1,637
COSTS $		24,182,647	11,746,276	10,944,320	46,873,243	43,572	67,122	28,575	42,114
WELLS		37	56	61	154				
FOOTAGE	2,500 - 3,749	109,193	182,750	174,744	466,687	2,951	3,263	2,865	3,030
COSTS $		3,765,567	8,741,426	3,988,311	16,495,304	101,772	156,097	65,382	107,112
WELLS		4	46	3	53				
FOOTAGE	3,750 - 4,999	15,450	185,092	12,167	212,709	3,863	4,024	4,056	4,013
COSTS $		442,840	8,974,608	491,034	9,908,742	110,710	195,106	163,678	186,957
WELLS		--	2	1	3				
FOOTAGE	5,000 - 7,499	--	10,532	6,700	17,232	--	5,266	6,700	5,744
COSTS $		--	735,762	321,600	1,057,362	--	367,881	321,600	352,454
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	10,000 - 12,499	--	--	11,091	11,091	--	--	11,091	11,091
COSTS $		--	--	709,824	709,824	--	--	709,824	709,824
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		1,011	391	902	2,304				
TOTAL FOOTAGE		1,280,072	764,502	1,185,596	3,230,170	1,266	1,955	1,314	1,402
TOTAL COSTS $		35,752,365	32,563,078	20,624,313	88,939,756	35,363	83,282	22,865	38,602

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

LOUISIANA - TOTAL

Table 22

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,215	15	144	1,374				
FOOTAGE	0 - 1,249	1,287,854	13,580	154,385	1,455,819	1,060	905	1,072	1,060
COSTS $		36,015,516	471,374	5,032,689	41,519,579	29,642	31,425	34,949	30,218
WELLS		304	388	151	843				
FOOTAGE	1,250 - 2,499	552,795	873,303	292,478	1,718,576	1,818	2,251	1,937	2,039
COSTS $		23,023,010	26,200,335	9,795,981	59,019,326	75,734	67,527	64,874	70,011
WELLS		229	100	249	578				
FOOTAGE	2,500 - 3,749	708,581	295,384	754,533	1,758,498	3,094	2,954	3,030	3,042
COSTS $		29,641,414	9,690,701	18,385,898	57,718,013	129,438	96,907	73,839	99,858
WELLS		104	39	143	286				
FOOTAGE	3,750 - 4,999	446,315	161,659	613,137	1,221,111	4,291	4,145	4,288	4,270
COSTS $		24,634,371	19,568,708	24,124,103	68,327,182	236,869	501,762	168,700	238,906
WELLS		171	60	238	469				
FOOTAGE	5,000 - 7,499	1,071,307	381,245	1,452,264	2,904,816	6,265	6,354	6,102	6,194
COSTS $		133,355,466	73,573,927	88,993,189	295,922,582	779,857	1,226,232	373,921	630,965
WELLS		210	153	306	669				
FOOTAGE	7,500 - 9,999	1,847,537	1,369,845	2,696,495	5,913,877	8,798	8,953	8,812	8,840
COSTS $		319,600,462	184,221,294	269,243,408	773,065,164	1,521,907	1,204,061	879,880	1,155,553
WELLS		188	153	341	682				
FOOTAGE	10,000 - 12,499	2,069,313	1,710,878	3,792,560	7,572,751	11,007	11,182	11,122	11,104
COSTS $		327,568,011	293,033,403	463,909,112	1,084,510,526	1,742,383	1,915,251	1,360,437	1,590,191
WELLS		73	103	170	346				
FOOTAGE	12,500 - 14,999	987,292	1,409,458	2,305,562	4,702,312	13,525	13,684	13,562	13,590
COSTS $		255,064,074	339,545,448	371,957,189	966,566,711	3,494,029	3,296,558	2,187,984	2,793,546
WELLS		26	52	95	173				
FOOTAGE	15,000 - 17,499	408,542	838,018	1,533,259	2,779,819	15,713	16,116	16,140	16,068
COSTS $		147,109,173	269,583,768	338,563,484	755,256,425	5,658,045	5,184,303	3,563,826	4,365,644
WELLS		11	17	30	58				
FOOTAGE	17,500 - 19,999	198,640	310,545	557,986	1,067,171	18,058	18,267	18,600	18,400
COSTS $		84,244,610	134,707,189	180,782,254	399,734,053	7,658,601	7,923,953	6,026,075	6,891,967
WELLS		--	2	6	8				
FOOTAGE	20,000 & OVER	--	41,026	128,598	169,624	--	20,513	21,433	21,203
COSTS $		--	12,930,696	79,161,356	92,092,052	--	6,465,348	13,193,559	11,511,507
TOTAL WELLS		2,531	1,082	1,873	5,486				
TOTAL FOOTAGE		9,578,176	7,404,941	14,281,257	31,264,374	3,784	6,844	7,625	5,699
TOTAL COSTS $		1,380,256,107	1,363,526,843	1,849,948,663	4,593,731,613	545,340	1,260,191	987,693	837,355

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

LOUISIANA - NORTH

Table 23

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,212	15	141	1,368				
FOOTAGE	0 - 1,249	1,284,329	13,580	151,505	1,449,414	1,060	905	1,075	1,060
COSTS $		35,467,352	471,374	4,405,891	40,344,617	29,263	31,425	31,247	29,492
WELLS		263	387	132	782				
FOOTAGE	1,250 - 2,499	481,133	871,703	258,074	1,610,910	1,829	2,252	1,955	2,060
COSTS $		13,907,681	25,948,239	4,118,265	43,974,185	52,881	67,050	31,199	56,233
WELLS		165	97	229	491				
FOOTAGE	2,500 - 3,749	508,846	286,213	691,785	1,486,844	3,084	2,951	3,021	3,028
COSTS $		15,206,907	8,668,859	10,132,798	34,008,564	92,163	89,370	44,248	69,264
WELLS		57	26	123	206				
FOOTAGE	3,750 - 4,999	240,399	105,776	527,530	873,705	4,218	4,068	4,289	4,241
COSTS $		8,235,283	3,682,652	8,078,063	19,995,998	144,479	141,640	65,675	97,068
WELLS		62	20	158	240				
FOOTAGE	5,000 - 7,499	368,793	127,656	949,759	1,446,208	5,948	6,383	6,011	6,026
COSTS $		13,478,935	6,139,432	18,431,427	38,049,794	217,402	306,972	116,655	158,541
WELLS		27	73	75	175				
FOOTAGE	7,500 - 9,999	232,530	653,353	650,563	1,536,446	8,612	8,950	8,674	8,780
COSTS $		13,475,549	45,070,144	22,467,215	81,012,908	499,094	617,399	299,563	462,931
WELLS		18	34	38	90				
FOOTAGE	10,000 - 12,499	191,470	373,902	415,272	980,644	10,637	10,997	10,928	10,896
COSTS $		17,874,077	44,849,153	23,008,723	85,731,953	993,004	1,319,093	605,493	952,577
WELLS		--	3	1	4				
FOOTAGE	12,500 - 14,999	--	40,621	13,263	53,884	--	13,540	13,263	13,471
COSTS $		--	9,225,631	644,121	9,869,752	--	3,075,210	644,121	2,467,438
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	15,102	15,102	--	--	15,102	15,102
COSTS $		--	--	3,003,628	3,003,628	--	--	3,003,628	3,003,628
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	17,500	17,500	--	--	17,500	17,500
COSTS $		--	--	3,676,227	3,676,227	--	--	3,676,227	3,676,227
WELLS		--	--	1	1				
FOOTAGE	20,000 & OVER	--	--	23,924	23,924	--	--	23,924	23,924
COSTS $		--	--	37,481,336	37,481,336	--	--	37,481,337	37,481,337
TOTAL WELLS		1,804	655	900	3,359				
TOTAL FOOTAGE		3,307,500	2,472,804	3,714,277	9,494,581	1,833	3,775	4,127	2,827
TOTAL COSTS $		117,645,784	144,055,484	135,447,694	397,148,962	65,214	219,932	150,497	118,234

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

LOUISIANA - SOUTH

Table 24

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		3	--	2	5				
FOOTAGE	0 - 1,249	3,525	--	1,950	5,475	1,175	--	975	1,095
COSTS $		548,164	--	277,459	825,623	182,721	--	138,730	165,125
WELLS		40	1	16	57				
FOOTAGE	1,250 - 2,499	69,902	1,600	28,024	99,526	1,748	1,600	1,752	1,746
COSTS $		8,235,329	252,096	3,780,588	12,268,013	205,883	252,096	236,287	215,228
WELLS		64	2	14	80				
FOOTAGE	2,500 - 3,749	199,735	5,637	43,576	248,948	3,121	2,819	3,113	3,112
COSTS $		14,434,507	544,192	3,202,650	18,181,349	225,539	272,096	228,761	227,267
WELLS		46	4	13	63				
FOOTAGE	3,750 - 4,999	201,026	17,127	56,079	274,232	4,370	4,282	4,314	4,353
COSTS $		14,333,003	1,107,909	2,619,711	18,060,623	311,587	276,977	201,516	286,677
WELLS		61	12	43	116				
FOOTAGE	5,000 - 7,499	392,593	83,218	265,002	740,813	6,436	6,935	6,163	6,386
COSTS $		29,328,170	6,130,403	13,902,776	49,361,349	480,790	510,867	323,320	425,529
WELLS		101	34	141	276				
FOOTAGE	7,500 - 9,999	891,399	306,685	1,250,684	2,448,768	8,826	9,020	8,870	8,872
COSTS $		80,344,570	25,084,964	67,845,970	173,275,504	795,491	737,793	481,177	627,810
WELLS		108	74	208	390				
FOOTAGE	10,000 - 12,499	1,191,043	836,102	2,321,969	4,349,114	11,028	11,299	11,163	11,152
COSTS $		123,539,075	95,695,794	163,828,485	383,063,354	1,143,880	1,293,186	787,637	982,214
WELLS		43	55	115	213				
FOOTAGE	12,500 - 14,999	582,926	756,189	1,559,195	2,898,310	13,556	13,749	13,558	13,607
COSTS $		95,875,089	124,874,918	165,313,441	386,063,448	2,229,653	2,270,453	1,437,508	1,812,505
WELLS		13	35	67	115				
FOOTAGE	15,000 - 17,499	204,261	570,720	1,081,691	1,856,672	15,712	16,306	16,145	16,145
COSTS $		49,737,219	159,302,060	183,119,743	392,159,022	3,825,940	4,551,488	2,733,131	3,410,079
WELLS		4	12	24	40				
FOOTAGE	17,500 - 19,999	72,828	220,138	448,634	741,600	18,207	18,345	18,693	18,540
COSTS $		20,598,854	77,791,059	127,900,985	226,290,898	5,149,714	6,482,589	5,329,208	5,657,273
WELLS		--	1	5	6				
FOOTAGE	20,000 & OVER	--	20,026	104,674	124,700	--	20,026	20,935	20,783
COSTS $		--	10,783,919	41,680,020	52,463,939	--	10,783,919	8,336,004	8,743,990
TOTAL WELLS		483	230	648	1,361				
TOTAL FOOTAGE		3,809,238	2,817,442	7,161,478	13,788,158	7,887	12,250	11,052	10,131
TOTAL COSTS $		436,973,980	501,567,314	773,471,828	1,712,013,122	904,708	2,180,728	1,193,629	1,257,908

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

LOUISIANA - OFFSHORE

Table 25

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	930	930	--	--	930	930
COSTS $		--	--	349,339	349,339	--	--	349,339	349,339
WELLS		1	--	3	4				
FOOTAGE	1,250 - 2,499	1,760	--	6,380	8,140	1,760	--	2,127	2,035
COSTS $		880,000	--	1,897,128	2,777,128	880,000	--	632,376	694,282
WELLS		--	1	6	7				
FOOTAGE	2,500 - 3,749	--	3,534	19,172	22,706	--	3,534	3,195	3,244
COSTS $		--	477,650	5,050,450	5,528,100	--	477,650	841,742	789,729
WELLS		1	9	7	17				
FOOTAGE	3,750 - 4,999	4,890	38,756	29,528	73,174	4,890	4,306	4,218	4,304
COSTS $		2,066,085	14,778,147	13,426,329	30,270,561	2,066,085	1,642,016	1,918,047	1,780,621
WELLS		48	28	37	113				
FOOTAGE	5,000 - 7,499	309,921	170,371	237,503	717,795	6,457	6,085	6,419	6,352
COSTS $		90,548,361	61,304,092	56,658,986	208,511,439	1,886,424	2,189,432	1,531,324	1,845,234
WELLS		82	46	90	218				
FOOTAGE	7,500 - 9,999	723,608	409,807	795,248	1,928,663	8,824	8,909	8,836	8,847
COSTS $		225,780,343	114,066,186	178,930,223	518,776,752	2,753,419	2,479,700	1,988,114	2,379,710
WELLS		62	45	95	202				
FOOTAGE	10,000 - 12,499	686,800	500,874	1,055,319	2,242,993	11,077	11,131	11,109	11,104
COSTS $		186,154,859	152,488,456	277,071,904	615,715,219	3,002,498	3,388,632	2,916,546	3,048,095
WELLS		30	45	54	129				
FOOTAGE	12,500 - 14,999	404,366	612,648	733,104	1,750,118	13,479	13,614	13,576	13,567
COSTS $		159,188,985	205,444,899	205,999,627	570,633,511	5,306,300	4,565,442	3,814,808	4,423,516
WELLS		13	17	27	57				
FOOTAGE	15,000 - 17,499	204,281	267,298	436,466	908,045	15,714	15,723	16,165	15,931
COSTS $		97,371,954	110,281,708	152,440,113	360,093,775	7,490,151	6,487,160	5,645,930	6,317,435
WELLS		7	5	5	17				
FOOTAGE	17,500 - 19,999	125,812	90,407	91,852	308,071	17,973	18,081	18,370	18,122
COSTS $		63,645,756	56,916,130	49,205,042	169,766,928	9,092,251	11,383,226	9,841,008	9,986,290
WELLS		--	1	--	1				
FOOTAGE	20,000 & OVER	--	21,000	--	21,000	--	21,000	--	21,000
COSTS $		--	2,146,777	--	2,146,777	--	2,146,777	--	2,146,777
TOTAL WELLS		244	197	325	766				
TOTAL FOOTAGE		2,461,438	2,114,695	3,405,502	7,981,635	10,088	10,734	10,478	10,420
TOTAL COSTS $		825,636,343	717,904,045	941,029,141	2,484,569,529	3,383,756	3,644,183	2,895,474	3,243,563

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

Table 26

MICHIGAN

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
		@							
WELLS	0 - 1,249	10	--	14	24				
FOOTAGE		8,355	--	12,921	21,276	836	--	923	887
COSTS $		1,186,659	--	517,284	1,703,943	118,666	--	36,949	70,998
WELLS	1,250 - 2,499	13	13	12	38				
FOOTAGE		27,216	20,432	22,526	70,174	2,094	1,572	1,877	1,847
COSTS $		1,739,282	769,427	1,291,345	3,800,054	133,791	59,187	107,612	100,001
WELLS	2,500 - 3,749	59	1	69	129				
FOOTAGE		169,132	3,323	219,894	392,349	2,867	3,323	3,187	3,041
COSTS $		12,201,791	116,640	12,780,554	25,098,985	206,810	116,640	185,225	194,566
WELLS	3,750 - 4,999	106	6	209	321				
FOOTAGE		460,057	26,698	906,187	1,392,942	4,340	4,450	4,336	4,339
COSTS $		29,324,241	1,204,509	43,089,318	73,618,068	276,644	200,752	206,169	229,340
WELLS	5,000 - 7,499	55	15	239	309				
FOOTAGE		347,191	97,428	1,495,782	1,940,401	6,313	6,495	6,259	6,280
COSTS $		26,008,440	6,915,262	74,502,063	107,425,765	472,881	461,017	311,724	347,656
WELLS	7,500 - 9,999	--	6	11	17				
FOOTAGE		--	49,256	88,474	137,730	--	8,209	8,043	8,102
COSTS $		--	4,759,540	8,318,353	13,077,893	--	793,257	756,214	769,288
WELLS	10,000 - 12,499	--	1	1	2				
FOOTAGE		--	12,242	10,649	22,891	--	12,242	10,649	11,446
COSTS $		--	2,340,147	768,856	3,109,003	--	2,340,147	768,856	1,554,502
WELLS	12,500 - 14,999	--	1	--	1				
FOOTAGE		--	14,589	--	14,589	--	14,589	--	14,589
COSTS $		--	6,535,793	--	6,535,793	--	6,535,793	--	6,535,793
WELLS	15,000 - 17,499	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	17,500 - 19,999	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	20,000 & OVER	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		243	43	555	841				
TOTAL FOOTAGE		1,011,951	223,968	2,756,433	3,992,352	4,164	5,209	4,967	4,747
TOTAL COSTS $		70,460,413	22,641,318	141,267,773	234,369,504	289,961	526,542	254,537	278,680

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

MISSISSIPPI

Table 27

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	5	14	19				
FOOTAGE	1,250 - 2,499	--	11,311	27,360	38,671	--	2,262	1,954	2,035
COSTS $		--	820,830	1,648,788	2,469,618	--	164,166	117,771	129,980
WELLS		--	10	20	30				
FOOTAGE	2,500 - 3,749	--	29,089	58,699	87,788	--	2,909	2,935	2,926
COSTS $		--	1,880,467	1,972,434	3,852,901	--	188,047	98,622	128,430
WELLS		24	8	33	65				
FOOTAGE	3,750 - 4,999	106,283	34,358	142,361	283,002	4,428	4,295	4,314	4,354
COSTS $		2,813,762	1,530,944	3,202,443	7,547,149	117,240	191,368	97,044	116,110
WELLS		42	6	134	182				
FOOTAGE	5,000 - 7,499	265,930	34,543	862,535	1,163,008	6,332	5,757	6,437	6,390
COSTS $		10,929,844	1,599,212	15,310,868	27,839,924	260,234	266,535	114,260	152,967
WELLS		27	1	37	65				
FOOTAGE	7,500 - 9,999	236,591	9,127	311,248	556,966	8,763	9,127	8,412	8,569
COSTS $		12,100,097	532,824	7,201,724	19,834,645	448,152	532,824	194,641	305,148
WELLS		38	4	71	113				
FOOTAGE	10,000 - 12,499	424,912	47,486	806,665	1,279,063	11,182	11,872	11,361	11,319
COSTS $		28,369,966	3,911,408	30,525,498	62,806,872	746,578	977,852	429,937	555,813
WELLS		18	5	23	46				
FOOTAGE	12,500 - 14,999	240,453	70,650	314,958	626,061	13,359	14,130	13,694	13,610
COSTS $		17,865,016	6,406,303	19,633,642	43,904,961	992,501	1,281,261	853,637	954,456
WELLS		5	10	18	33				
FOOTAGE	15,000 - 17,499	82,305	162,089	295,990	540,384	16,461	16,209	16,444	16,375
COSTS $		9,438,553	23,620,257	36,746,749	69,805,559	1,887,711	2,362,026	2,041,486	2,115,320
WELLS		1	3	8	12				
FOOTAGE	17,500 - 19,999	18,640	54,496	147,197	220,333	18,640	18,165	18,400	18,361
COSTS $		3,638,139	9,309,587	25,484,127	38,431,853	3,638,139	3,103,196	3,185,516	3,202,655
WELLS		--	--	4	4				
FOOTAGE	20,000 & OVER	--	--	88,629	88,629	--	--	22,157	22,157
COSTS $		--	--	52,598,139	52,598,139	--	--	13,149,535	13,149,535
TOTAL WELLS		155	52	362	569				
TOTAL FOOTAGE		1,375,114	453,149	3,055,642	4,883,905	8,872	8,714	8,441	8,583
TOTAL COSTS $		85,155,377	49,611,832	194,324,412	329,091,621	549,390	954,074	536,808	578,368

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

MONTANA

Table 28

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1	13	17	31				
FOOTAGE	0 - 1,249	1,000	13,284	16,703	30,987	1,000	1,022	983	1,000
COSTS $		20,990	360,483	306,367	687,840	20,990	27,729	18,022	22,188
WELLS		70	54	61	185				
FOOTAGE	1,250 - 2,499	121,242	85,757	106,588	313,587	1,732	1,588	1,747	1,695
COSTS $		3,478,243	2,679,284	2,795,686	8,953,213	49,689	49,616	45,831	48,396
WELLS		41	10	22	73				
FOOTAGE	2,500 - 3,749	125,963	30,874	67,391	224,228	3,072	3,087	3,063	3,072
COSTS $		8,092,270	1,279,109	2,978,087	12,349,466	197,372	127,911	135,368	169,171
WELLS		10	--	35	45				
FOOTAGE	3,750 - 4,999	44,593	--	157,706	202,299	4,459	--	4,506	4,496
COSTS $		3,181,826	--	6,416,770	9,598,596	318,183	--	183,336	213,302
WELLS		25	4	81	110				
FOOTAGE	5,000 - 7,499	149,554	22,202	523,282	695,038	5,982	5,551	6,460	6,319
COSTS $		11,315,850	1,344,551	23,796,531	36,456,932	452,634	336,138	293,784	331,427
WELLS		58	--	50	108				
FOOTAGE	7,500 - 9,999	522,897	--	420,496	943,393	9,015	--	8,410	8,735
COSTS $		29,611,540	--	21,767,096	51,378,636	510,544	--	435,342	475,728
WELLS		12	--	23	35				
FOOTAGE	10,000 - 12,499	134,046	--	260,976	395,022	11,171	--	11,347	11,286
COSTS $		11,071,577	--	19,745,936	30,817,513	922,631	--	858,519	880,500
WELLS		4	--	6	10				
FOOTAGE	12,500 - 14,999	51,154	--	77,510	128,664	12,789	--	12,918	12,866
COSTS $		4,661,143	--	8,056,225	12,717,368	1,165,286	--	1,342,704	1,271,737
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		221	81	295	597				
TOTAL FOOTAGE		1,150,449	152,117	1,630,652	2,933,218	5,206	1,878	5,528	4,913
TOTAL COSTS $		71,433,439	5,663,427	85,862,698	162,959,564	323,228	69,919	291,060	272,964

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

NEBRASKA

Table 29

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		2	--	2	4				
FOOTAGE	1,250 - 2,499	4,690	--	4,063	8,753	2,345	--	2,032	2,188
COSTS $		43,428	--	70,858	114,286	21,714	--	35,429	28,572
WELLS		7	1	19	27				
FOOTAGE	2,500 - 3,749	24,207	3,720	64,620	92,547	3,458	3,720	3,401	3,428
COSTS $		507,134	80,203	1,029,615	1,616,952	72,448	80,203	54,190	59,887
WELLS		53	--	83	136				
FOOTAGE	3,750 - 4,999	231,563	--	368,423	599,986	4,369	--	4,439	4,412
COSTS $		4,981,327	--	5,903,523	10,884,850	93,987	--	71,127	80,036
WELLS		24	--	74	98				
FOOTAGE	5,000 - 7,499	151,065	--	449,500	600,565	6,294	--	6,074	6,128
COSTS $		6,064,111	--	7,000,313	13,064,424	252,671	--	94,599	133,310
WELLS		2	--	4	6				
FOOTAGE	7,500 - 9,999	15,235	--	30,372	45,607	7,618	--	7,593	7,601
COSTS $		925,785	--	838,365	1,764,150	462,893	--	209,591	294,025
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		88	1	182	271				
TOTAL FOOTAGE		426,760	3,720	916,978	1,347,458	4,850	3,720	5,038	4,972
TOTAL COSTS $		12,521,785	80,203	14,842,674	27,444,662	142,293	80,203	81,553	101,272

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

NEW MEXICO - TOTAL

Table 30

DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	5	11	28	44				
FOOTAGE 0 - 1,249	3,784	11,737	16,029	31,550	757	1,067	572	717
COSTS $	226,380	559,983	1,292,586	2,078,949	45,276	50,908	46,164	47,249
WELLS	64	34	26	124				
FOOTAGE 1,250 - 2,499	133,712	62,694	50,978	247,384	2,089	1,844	1,961	1,995
COSTS $	8,039,699	2,754,930	3,525,091	14,319,720	125,620	81,027	135,580	115,482
WELLS	102	84	39	225				
FOOTAGE 2,500 - 3,749	330,807	271,140	123,207	725,154	3,243	3,228	3,159	3,223
COSTS $	21,327,100	15,539,815	6,788,311	43,655,226	209,089	184,998	174,059	194,023
WELLS	206	30	50	286				
FOOTAGE 3,750 - 4,999	907,482	134,355	218,206	1,260,043	4,405	4,479	4,364	4,406
COSTS $	54,507,755	8,287,099	12,361,554	75,156,408	264,601	276,237	247,231	262,785
WELLS	176	252	37	465				
FOOTAGE 5,000 - 7,499	1,062,997	1,619,432	214,974	2,897,403	6,040	6,426	5,810	6,231
COSTS $	67,173,822	96,749,765	13,111,718	177,035,305	381,669	383,928	354,371	380,721
WELLS	160	94	47	301				
FOOTAGE 7,500 - 9,999	1,352,522	761,987	412,679	2,527,188	8,453	8,106	8,780	8,396
COSTS $	101,388,218	54,330,924	24,363,449	180,082,591	633,676	577,989	518,371	598,281
WELLS	101	33	44	178				
FOOTAGE 10,000 - 12,499	1,111,576	377,168	490,367	1,979,111	11,006	11,429	11,145	11,119
COSTS $	74,281,097	33,839,475	33,045,850	141,166,422	735,456	1,025,439	751,042	793,070
WELLS	20	22	13	55				
FOOTAGE 12,500 - 14,999	269,765	292,137	170,941	732,843	13,488	13,279	13,149	13,324
COSTS $	20,381,866	34,890,361	10,997,037	66,269,264	1,019,093	1,585,926	845,926	1,204,896
WELLS	1	8	1	10				
FOOTAGE 15,000 - 17,499	15,981	123,157	15,390	154,528	15,981	15,395	15,390	15,453
COSTS $	5,773,490	17,464,888	1,535,054	24,773,432	5,773,490	2,183,111	1,535,054	2,477,343
WELLS	--	--	1	1				
FOOTAGE 17,500 - 19,999	--	--	18,229	18,229	--	--	18,229	18,229
COSTS $	--	--	5,737,098	5,737,098	--	--	5,737,098	5,737,098
WELLS	--	--	--	--				
FOOTAGE 20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
TOTAL WELLS	835	568	286	1,689				
TOTAL FOOTAGE	5,188,626	3,653,807	1,731,000	10,573,433	6,214	6,433	6,052	6,260
TOTAL COSTS $	353,099,427	264,417,240	112,757,748	730,274,415	422,874	465,523	394,258	432,371

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

NEW MEXICO - WEST

Table 31

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1	11	5	17				
FOOTAGE	0 - 1,249	1,150	11,737	4,622	17,509	1,150	1,067	924	1,030
COSTS $		82,934	559,983	357,489	1,000,406	82,934	50,908	71,498	58,847
WELLS		2	34	11	47				
FOOTAGE	1,250 - 2,499	3,534	62,694	18,720	84,948	1,767	1,844	1,702	1,807
COSTS $		209,438	2,754,930	1,560,431	4,524,799	104,719	81,027	141,857	96,272
WELLS		5	66	13	84				
FOOTAGE	2,500 - 3,749	15,340	210,091	40,743	266,174	3,068	3,183	3,134	3,169
COSTS $		828,486	12,194,836	1,940,548	14,963,870	165,697	184,770	149,273	178,141
WELLS		33	15	8	56				
FOOTAGE	3,750 - 4,999	158,523	69,449	35,639	263,611	4,804	4,630	4,455	4,707
COSTS $		7,351,209	4,653,607	2,826,325	14,831,141	222,764	310,240	353,291	264,842
WELLS		74	246	5	325				
FOOTAGE	5,000 - 7,499	449,229	1,580,152	30,482	2,059,863	6,071	6,423	6,096	6,338
COSTS $		29,249,097	93,971,848	1,812,202	125,033,147	395,258	381,999	362,440	384,717
WELLS		72	74	2	148				
FOOTAGE	7,500 - 9,999	578,749	585,440	17,485	1,181,674	8,038	7,911	8,743	7,984
COSTS $		53,258,568	41,370,387	2,215,926	96,844,881	739,702	559,059	1,107,963	654,357
WELLS		--	--	1	1				
FOOTAGE	10,000 - 12,499	--	--	10,793	10,793	--	--	10,793	10,793
COSTS $		--	--	3,815,951	3,815,951	--	--	3,815,951	3,815,951
WELLS		--	1	--	1				
FOOTAGE	12,500 - 14,999	--	14,030	--	14,030	--	14,030	--	14,030
COSTS $		--	3,905,614	--	3,905,614	--	3,905,614	--	3,905,614
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	18,229	18,229	--	--	18,229	18,229
COSTS $		--	--	5,737,098	5,737,098	--	--	5,737,098	5,737,098
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		187	447	46	680				
TOTAL FOOTAGE		1,206,525	2,533,593	176,713	3,916,831	6,452	5,668	3,842	5,760
TOTAL COSTS $		90,979,732	159,411,205	20,265,970	270,656,907	486,523	356,625	440,565	398,025

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

NEW MEXICO - EAST

Table 32

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		4	--	23	27				
FOOTAGE	0 - 1,249	2,634	--	11,407	14,041	659	--	496	520
COSTS $		143,446	--	935,097	1,078,543	35,862	--	40,656	39,946
WELLS		62	--	15	77				
FOOTAGE	1,250 - 2,499	130,178	--	32,258	162,436	2,100	--	2,151	2,110
COSTS $		7,830,261	--	1,964,660	9,794,921	126,295	--	130,977	127,207
WELLS		97	18	26	141				
FOOTAGE	2,500 - 3,749	315,467	61,049	82,464	458,980	3,252	3,392	3,172	3,255
COSTS $		20,498,614	3,344,979	4,847,763	28,691,356	211,326	185,832	186,452	203,485
WELLS		173	15	42	230				
FOOTAGE	3,750 - 4,999	748,959	64,906	182,567	996,432	4,329	4,327	4,347	4,332
COSTS $		47,156,546	3,633,492	9,535,229	60,325,267	272,581	242,233	227,029	262,284
WELLS		102	6	32	140				
FOOTAGE	5,000 - 7,499	613,768	39,280	184,492	837,540	6,017	6,547	5,765	5,982
COSTS $		37,924,725	2,777,917	11,299,516	52,002,158	371,811	462,986	353,110	371,444
WELLS		88	20	45	153				
FOOTAGE	7,500 - 9,999	773,773	176,547	395,194	1,345,514	8,793	8,827	8,782	8,794
COSTS $		48,129,650	12,960,537	22,147,523	83,237,710	546,928	648,027	492,167	544,037
WELLS		101	33	43	177				
FOOTAGE	10,000 - 12,499	1,111,576	377,168	479,574	1,968,318	11,006	11,429	11,153	11,120
COSTS $		74,281,097	33,839,475	29,229,899	137,350,471	735,456	1,025,439	679,765	775,991
WELLS		20	21	13	54				
FOOTAGE	12,500 - 14,999	269,765	278,107	170,941	718,813	13,488	13,243	13,149	13,311
COSTS $		20,381,866	30,984,747	10,997,037	62,363,650	1,019,093	1,475,464	845,926	1,154,882
WELLS		1	8	1	10				
FOOTAGE	15,000 - 17,499	15,981	123,157	15,390	154,528	15,981	15,395	15,390	15,453
COSTS $		5,773,490	17,464,888	1,535,054	24,773,432	5,773,490	2,183,111	1,535,054	2,477,343
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		648	121	240	1,009				
TOTAL FOOTAGE		3,982,101	1,120,214	1,554,287	6,656,602	6,145	9,258	6,476	6,597
TOTAL COSTS $		262,119,695	105,006,035	92,491,778	459,617,508	404,506	867,819	385,382	455,518

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

NORTH DAKOTA

Table 33

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	200	200	--	--	200	200
COSTS $		--	--	10,000	10,000	--	--	10,000	10,000
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		12	--	22	34				
FOOTAGE	2,500 - 3,749	38,547	--	73,144	111,691	3,212	--	3,325	3,285
COSTS $		2,025,617	--	2,267,022	4,292,639	168,801	--	103,046	126,254
WELLS		25	--	28	53				
FOOTAGE	3,750 - 4,999	108,974	--	125,199	234,173	4,359	--	4,471	4,418
COSTS $		4,413,552	--	4,169,290	8,582,842	176,542	--	148,903	161,940
WELLS		22	--	45	67				
FOOTAGE	5,000 - 7,499	139,396	--	280,702	420,098	6,336	--	6,238	6,270
COSTS $		6,051,918	--	9,108,720	15,160,638	275,087	--	202,416	226,278
WELLS		103	--	75	178				
FOOTAGE	7,500 - 9,999	960,888	--	677,712	1,638,600	9,329	--	9,036	9,206
COSTS $		71,355,226	--	28,881,118	100,236,344	692,769	--	385,082	563,126
WELLS		53	--	38	91				
FOOTAGE	10,000 - 12,499	601,049	--	420,449	1,021,498	11,341	--	11,064	11,225
COSTS $		54,611,414	--	22,494,477	77,105,891	1,030,404	--	591,960	847,318
WELLS		37	6	44	87				
FOOTAGE	12,500 - 14,999	494,343	82,903	591,342	1,168,588	13,361	13,817	13,440	13,432
COSTS $		48,120,691	9,301,946	36,606,447	94,029,084	1,300,559	1,550,324	831,965	1,080,794
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		252	6	253	511				
TOTAL FOOTAGE		2,343,197	82,903	2,168,748	4,594,848	9,298	13,817	8,572	8,992
TOTAL COSTS $		186,578,418	9,301,946	103,537,074	299,417,438	740,391	1,550,324	409,237	585,944

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

OKLAHOMA

Table 34

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		364	109	154	627				
FOOTAGE	0 - 1,249	315,072	96,751	122,888	534,711	866	888	798	853
COSTS $		10,577,230	3,592,370	2,144,827	16,314,427	29,058	32,958	13,927	26,020
WELLS		774	195	271	1,240				
FOOTAGE	1,250 - 2,499	1,397,508	377,874	521,711	2,297,093	1,806	1,938	1,925	1,852
COSTS $		56,078,676	16,704,090	12,448,845	85,231,611	72,453	85,662	45,937	68,735
WELLS		768	187	390	1,345				
FOOTAGE	2,500 - 3,749	2,401,236	578,202	1,234,704	4,214,142	3,127	3,092	3,166	3,133
COSTS $		110,812,996	27,581,211	31,974,514	170,368,721	144,288	147,493	81,986	126,668
WELLS		480	115	381	976				
FOOTAGE	3,750 - 4,999	2,083,811	505,732	1,672,440	4,261,983	4,341	4,398	4,390	4,367
COSTS $		105,597,472	24,634,136	47,549,678	177,781,286	219,995	214,210	124,802	182,153
WELLS		539	235	541	1,315				
FOOTAGE	5,000 - 7,499	3,255,364	1,503,554	3,250,216	8,009,134	6,040	6,398	6,008	6,091
COSTS $		179,175,277	83,005,817	108,403,481	370,584,575	332,422	353,216	200,376	281,813
WELLS		583	258	232	1,073				
FOOTAGE	7,500 - 9,999	5,052,848	2,222,782	1,982,628	9,258,258	8,667	8,615	8,546	8,628
COSTS $		341,718,589	143,496,874	80,335,571	565,551,034	586,138	556,189	346,274	527,075
WELLS		136	143	67	346				
FOOTAGE	10,000 - 12,499	1,485,258	1,618,435	747,468	3,851,161	10,921	11,318	11,156	11,131
COSTS $		122,538,149	152,868,354	42,251,980	317,658,483	901,016	1,069,010	630,627	918,088
WELLS		27	121	52	200				
FOOTAGE	12,500 - 14,999	358,155	1,606,423	698,985	2,663,563	13,265	13,276	13,442	13,318
COSTS $		39,717,403	206,234,878	65,440,592	311,392,873	1,471,015	1,704,421	1,258,473	1,556,964
WELLS		3	46	24	73				
FOOTAGE	15,000 - 17,499	48,488	746,045	386,068	1,180,601	16,163	16,218	16,086	16,173
COSTS $		10,206,816	159,569,169	56,836,007	226,611,992	3,402,272	3,468,895	2,368,167	3,104,274
WELLS		2	23	13	38				
FOOTAGE	17,500 - 19,999	36,165	425,198	237,991	699,354	18,083	18,487	18,307	18,404
COSTS $		11,040,290	125,347,850	52,197,242	188,585,382	5,520,145	5,449,907	4,015,173	4,962,773
WELLS		--	6	5	11				
FOOTAGE	20,000 & OVER	--	130,432	103,719	234,151	--	21,739	20,744	21,286
COSTS $		--	60,727,552	38,521,727	99,249,279	--	10,121,259	7,704,346	9,022,662
TOTAL WELLS		3,676	1,438	2,130	7,244				
TOTAL FOOTAGE		16,433,905	9,811 428	10,958,818	37,204,151	4,471	6,823	5,145	5,136
TOTAL COSTS $		987,462,898	1,003,762,301	538,104,464	2,529,329,663	268,624	698,027	252,631	349,162

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS - TOTAL

Table 35

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,625	107	865	2,597				
FOOTAGE	0 - 1,249	1,177,416	86,444	657,960	1,921,820	725	808	761	740
COSTS $		30,094,921	3,351,931	15,072,125	48,518,977	18,520	31,326	17,424	18,683
WELLS		2,353	125	1,085	3,563				
FOOTAGE	1,250 - 2,499	4,092,138	229,204	1,913,704	6,235,046	1,739	1,834	1,764	1,750
COSTS $		170,324,723	10,738,920	39,920,729	220,984,372	72,386	85,911	36,793	62,022
WELLS		1,996	208	754	2,958				
FOOTAGE	2,500 - 3,749	6,357,969	664,703	2,353,767	9,376,439	3,185	3,196	3,122	3,170
COSTS $		301,913,137	29,722,656	64,116,864	395,752,657	151,259	142,897	85,036	133,791
WELLS		2,278	331	1,026	3,635				
FOOTAGE	3,750 - 4,999	10,193,558	1,442,917	4,527,048	16,163,523	4,475	4,359	4,412	4,447
COSTS $		441,553,606	58,802,093	126,195,565	626,551,264	193,834	177,650	122,998	172,366
WELLS		2,594	713	1,434	4,741				
FOOTAGE	5,000 - 7,499	15,987,979	4,475,072	8,719,159	29,182,210	6,163	6,276	6,080	6,155
COSTS $		772,926,944	257,948,450	304,942,160	1,335,817,554	297,967	361,779	212,651	281,759
WELLS		1,913	669	951	3,533				
FOOTAGE	7,500 - 9,999	16,380,797	5,862,734	8,165,455	30,408,986	8,563	8,763	8,586	8,607
COSTS $		943,561,589	551,581,143	447,465,634	1,942,608,366	493,237	824,486	470,521	549,847
WELLS		559	616	416	1,591				
FOOTAGE	10,000 - 12,499	6,109,208	6,740,336	4,550,329	17,399,873	10,929	10,942	10,938	10,936
COSTS $		483,760,226	844,406,263	395,631,098	1,723,797,587	865,403	1,370,789	951,036	1,083,468
WELLS		63	154	143	360				
FOOTAGE	12,500 - 14,999	823,149	2,058,925	1,926,692	4,808,766	13,066	13,370	13,473	13,358
COSTS $		104,149,943	491,177,850	302,023,455	897,351,248	1,653,174	3,189,467	2,112,052	2,492,642
WELLS		5	39	52	96				
FOOTAGE	15,000 - 17,499	80,664	618,584	838,511	1,537,759	16,133	15,861	16,125	16,018
COSTS $		40,437,554	239,381,092	225,349,402	505,168,048	8,087,511	6,137,977	4,333,643	5,262,167
WELLS		--	18	12	30				
FOOTAGE	17,500 - 19,999	--	329,051	219,418	548,469	--	18,281	18,285	18,282
COSTS $		--	94,088,187	67,758,445	161,846,632	--	5,227,122	5,646,537	5,394,888
WELLS		2	4	4	10				
FOOTAGE	20,000 & OVER	45,750	95,450	89,094	230,294	22,875	23,863	22,274	23,029
COSTS $		12,479,430	31,761,820	29,229,478	73,470,728	6,239,715	7,940,455	7,307,370	7,347,073
TOTAL WELLS		13,388	2,984	6,742	23,114				
TOTAL FOOTAGE		61,248,628	22,603,420	33,961,137	117,813,185	4,575	7,575	5,037	5,097
TOTAL COSTS $		3,301,202,073	2,612,960,405	2,017,704,955	7,931,867,433	246,579	875,657	299,274	343,163

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 1

Table 36

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		765	8	60	833				
FOOTAGE	0 - 1,249	531,773	7,988	50,870	590,631	695	999	848	709
COSTS $		12,719,576	529,150	1,537,850	14,786,576	16,627	66,144	25,631	17,751
WELLS		804	11	132	947				
FOOTAGE	1,250 - 2,499	1,340,534	17,212	239,190	1,596,936	1,667	1,565	1,812	1,686
COSTS $		41,850,949	884,966	4,745,939	47,481,854	52,053	80,451	35,954	50,139
WELLS		157	12	76	245				
FOOTAGE	2,500 - 3,749	460,889	40,746	230,330	731,965	2,936	3,396	3,031	2,988
COSTS $		15,596,532	1,686,869	4,552,314	21,835,715	99,341	140,572	59,899	89,125
WELLS		81	10	37	128				
FOOTAGE	3,750 - 4,999	328,869	44,604	153,972	527,445	4,060	4,460	4,161	4,121
COSTS $		9,991,110	2,020,687	3,556,663	15,568,460	123,347	202,069	96,126	121,629
WELLS		103	28	88	219				
FOOTAGE	5,000 - 7,499	639,363	160,254	525,756	1,325,373	6,207	5,723	5,975	6,052
COSTS $		27,835,649	9,161,974	16,218,114	53,215,737	270,249	327,213	184,297	242,994
WELLS		117	10	27	154				
FOOTAGE	7,500 - 9,999	1,030,086	88,413	232,824	1,351,323	8,804	8,841	8,623	8,775
COSTS $		58,679,111	8,177,839	11,159,834	78,016,784	501,531	817,784	413,327	506,603
WELLS		6	34	14	54				
FOOTAGE	10,000 - 12,499	61,572	363,199	151,235	576,006	10,262	10,682	10,803	10,667
COSTS $		4,286,298	34,744,216	12,023,857	51,054,371	714,383	1,021,889	858,847	945,451
WELLS		--	--	2	2				
FOOTAGE	12,500 - 14,999	--	--	25,535	25,535	--	--	12,768	12,768
COSTS $		--	--	2,287,673	2,287,673	--	--	1,143,837	1,143,837
WELLS		--	2	4	6				
FOOTAGE	15,000 - 17,499	--	32,928	63,935	96,863	--	16,464	15,984	16,144
COSTS $		--	6,453,888	12,116,290	18,570,178	--	3,226,944	3,029,073	3,095,030
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		2,033	115	440	2,588				
TOTAL FOOTAGE		4,393,086	755,344	1,673,647	6,822,077	2,161	6,568	3,804	2,636
TOTAL COSTS $		170,959,225	63,659,589	68,198,534	302,817,348	84,092	553,562	154,997	117,008

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 2

Table 37

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1	2	7	10				
FOOTAGE	0 - 1,249	1,120	2,390	6,242	9,752	1,120	1,195	892	975
COSTS $		49,448	194,300	257,493	501,241	49,448	97,150	36,785	50,124
WELLS		1	3	10	14				
FOOTAGE	1,250 - 2,499	2,261	6,350	18,145	26,756	2,261	2,117	1,815	1,911
COSTS $		69,187	411,324	362,669	843,180	69,187	137,108	36,267	60,227
WELLS		10	15	28	53				
FOOTAGE	2,500 - 3,749	32,310	50,846	89,375	172,531	3,231	3,390	3,192	3,255
COSTS $		1,157,799	2,633,004	1,742,357	5,533,160	115,780	175,534	62,227	104,399
WELLS		23	34	42	99				
FOOTAGE	3,750 - 4,999	102,788	149,554	186,815	439,157	4,469	4,399	4,448	4,436
COSTS $		4,806,224	7,198,962	4,272,261	16,277,447	208,966	211,734	101,721	164,419
WELLS		83	60	82	225				
FOOTAGE	5,000 - 7,499	493,764	347,932	488,009	1,329,705	5,949	5,799	5,951	5,910
COSTS $		26,936,518	16,691,241	13,266,572	56,894,331	324,536	278,187	161,787	252,864
WELLS		17	28	42	87				
FOOTAGE	7,500 - 9,999	145,250	249,732	368,316	763,298	8,544	8,919	8,769	8,774
COSTS $		8,628,581	22,660,570	16,620,687	47,909,838	507,564	809,306	395,731	550,688
WELLS		5	42	25	72				
FOOTAGE	10,000 - 12,499	54,431	460,248	266,635	781,314	10,886	10,958	10,665	10,852
COSTS $		5,619,839	60,984,313	22,910,726	89,514,878	1,123,968	1,452,008	916,429	1,243,262
WELLS		1	24	12	37				
FOOTAGE	12,500 - 14,999	13,642	323,040	162,565	499,247	13,642	13,460	13,547	13,493
COSTS $		3,975,552	64,666,750	27,306,178	95,948,480	3,975,552	2,694,448	2,275,515	2,593,202
WELLS		1	3	4	8				
FOOTAGE	15,000 - 17,499	15,000	46,384	65,615	126,999	15,000	15,461	16,404	15,875
COSTS $		5,025,000	15,608,799	18,450,250	39,084,049	5,025,000	5,202,933	4,612,563	4,885,506
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	17,936	17,936	--	--	17,936	17,936
COSTS $		--	--	7,813,410	7,813,410	--	--	7,813,410	7,813,410
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		142	211	253	606				
TOTAL FOOTAGE		860,566	1,636,476	1,669,653	4,166,695	6,060	7,756	6,599	6,876
TOTAL COSTS $		56,268,148	191,049,263	113,002,603	360,320,014	396,255	905,447	446,651	594,588

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 3

Table 38

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		15	15	28	58				
FOOTAGE	0 - 1,249	13,817	12,046	19,840	45,703	921	803	709	788
COSTS $		625,130	444,229	761,634	1,830,993	41,675	29,615	27,201	31,569
WELLS		67	3	16	86				
FOOTAGE	1,250 - 2,499	126,888	4,157	34,612	165,657	1,894	1,386	2,163	1,926
COSTS $		8,164,522	223,169	1,733,019	10,120,710	121,859	74,390	108,314	117,683
WELLS		76	7	28	111				
FOOTAGE	2,500 - 3,749	242,159	22,068	86,949	351,176	3,186	3,153	3,105	3,164
COSTS $		17,128,190	778,347	3,276,425	21,182,962	225,371	111,192	117,015	190,838
WELLS		97	11	37	145				
FOOTAGE	3,750 - 4,999	416,860	47,351	163,887	628,098	4,298	4,305	4,429	4,332
COSTS $		29,018,920	2,732,917	6,198,407	37,950,244	299,164	248,447	167,525	261,726
WELLS		141	30	103	274				
FOOTAGE	5,000 - 7,499	861,082	197,280	654,804	1,713,166	6,107	6,576	6,357	6,252
COSTS $		56,941,255	10,958,825	27,916,779	95,816,859	403,839	365,294	271,037	349,697
WELLS		338	108	172	618				
FOOTAGE	7,500 - 9,999	2,873,095	925,489	1,499,765	5,298,349	8,500	8,569	8,720	8,573
COSTS $		176,954,741	69,621,601	68,580,499	315,156,841	523,535	644,644	398,724	509,963
WELLS		113	88	97	298				
FOOTAGE	10,000 - 12,499	1,242,204	993,420	1,066,357	3,301,981	10,993	11,289	10,993	11,080
COSTS $		98,976,505	113,962,154	79,463,632	292,402,291	875,898	1,295,025	819,213	981,216
WELLS		15	30	31	76				
FOOTAGE	12,500 - 14,999	199,484	397,677	424,147	1,021,308	13,299	13,256	13,682	13,438
COSTS $		25,851,292	60,208,606	56,888,173	142,948,071	1,723,420	2,006,954	1,835,102	1,880,896
WELLS		--	9	16	25				
FOOTAGE	15,000 - 17,499	--	140,636	255,398	396,034	--	15,626	15,962	15,841
COSTS $		--	43,481,518	52,939,162	96,420,680	--	4,831,280	3,308,698	3,856,827
WELLS		--	1	2	3				
FOOTAGE	17,500 - 19,999	--	19,963	37,222	57,185	--	19,963	18,611	19,062
COSTS $		--	6,145,891	6,696,388	12,842,279	--	6,145,891	3,348,194	4,280,760
WELLS		--	1	--	1				
FOOTAGE	20,000 & OVER	--	20,158	--	20,158	--	20,158	--	20,158
COSTS $		--	7,861,620	--	7,861,620	--	7,861,620	--	7,861,620
TOTAL WELLS		862	303	530	1,695				
TOTAL FOOTAGE		5,975,589	2,780,245	4,242,981	12,998,815	6,932	9,176	8,006	7,669
TOTAL COSTS $		413,660,555	316,418,877	304,454,118	1,034,533,550	479,885	1,044,287	574,442	610,344

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 4

Table 39

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		35	8	7	50				
FOOTAGE	0 - 1,249	6,110	5,802	3,830	15,742	175	725	547	315
COSTS $		344,154	392,973	960,861	1,697,988	9,833	49,122	137,266	33,960
WELLS		20	4	18	42				
FOOTAGE	1,250 - 2,499	38,322	7,606	35,605	81,533	1,916	1,902	1,978	1,941
COSTS $		1,422,104	822,962	1,348,276	3,593,342	71,105	205,741	74,904	85,556
WELLS		26	16	53	95				
FOOTAGE	2,500 - 3,749	71,612	46,732	163,751	287,095	2,754	2,921	3,090	2,969
COSTS $		3,810,225	2,464,296	5,784,074	12,058,595	146,547	154,019	109,133	126,933
WELLS		25	11	31	67				
FOOTAGE	3,750 - 4,999	108,471	47,809	138,442	294,722	4,339	4,346	4,466	4,399
COSTS $		5,326,511	2,356,453	5,067,511	12,750,475	213,060	214,223	163,468	190,306
WELLS		84	169	172	425				
FOOTAGE	5,000 - 7,499	519,825	1,087,478	1,074,328	2,681,631	6,188	6,435	6,246	6,310
COSTS $		25,843,485	56,613,863	37,106,624	119,563,972	307,661	334,993	215,736	281,327
WELLS		63	228	133	424				
FOOTAGE	7,500 - 9,999	518,647	1,992,135	1,136,982	3,647,764	8,232	8,737	8,549	8,603
COSTS $		28,811,867	178,202,630	60,560,999	267,575,496	457,331	781,591	455,346	631,074
WELLS		5	193	66	264				
FOOTAGE	10,000 - 12,499	52,290	2,098,759	710,246	2,861,295	10,458	10,874	10,761	10,838
COSTS $		4,447,038	285,831,824	53,586,217	343,865,079	889,408	1,480,994	811,912	1,302,519
WELLS		3	36	17	56				
FOOTAGE	12,500 - 14,999	38,101	477,316	231,297	746,714	12,700	13,259	13,606	13,334
COSTS $		7,065,646	101,140,286	28,644,820	136,850,752	2,355,215	2,809,453	1,684,989	2,443,764
WELLS		--	8	10	18				
FOOTAGE	15,000 - 17,499	--	126,271	165,718	291,989	--	15,784	16,572	16,222
COSTS $		--	48,443,980	43,393,917	91,837,897	--	6,055,498	4,339,392	5,102,106
WELLS		--	1	6	7				
FOOTAGE	17,500 - 19,999	--	17,500	108,890	126,390	--	17,500	18,148	18,056
COSTS $		--	6,752,134	33,370,616	40,122,750	--	6,752,134	5,561,770	5,731,822
WELLS		--	--	1	1				
FOOTAGE	20,000 & OVER	--	--	22,106	22,106	--	--	22,106	22,106
COSTS $		--	--	9,837,170	9,837,170	--	--	9,837,170	9,837,170
TOTAL WELLS		261	674	514	1,449				
TOTAL FOOTAGE		1,353,378	5,907,408	3,791,195	11,051,981	5,185	8,765	7,376	7,627
TOTAL COSTS $		77,071,030	683,021,401	279,661,085	1,039,753,516	295,291	1,013,385	544,088	717,566

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 5

Table 40

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		77	2	41	120				
FOOTAGE	0 - 1,249	66,127	1,133	39,260	106,520	859	567	958	888
COSTS $		1,666,282	15,296	425,821	2,107,399	21,640	7,648	10,386	17,562
WELLS		27	--	25	52				
FOOTAGE	1,250 - 2,499	38,011	--	41,299	79,310	1,408	--	1,652	1,525
COSTS $		2,040,742	--	774,430	2,815,172	75,583	--	30,977	54,138
WELLS		25	3	18	46				
FOOTAGE	2,500 - 3,749	77,146	11,142	59,383	147,671	3,086	3,714	3,299	3,210
COSTS $		4,898,255	370,313	1,733,040	7,001,608	195,930	123,438	96,280	152,209
WELLS		22	1	34	57				
FOOTAGE	3,750 - 4,999	90,053	3,800	145,527	239,380	4,093	3,800	4,280	4,200
COSTS $		6,713,114	133,049	4,567,939	11,414,102	305,142	133,049	134,351	200,247
WELLS		7	--	16	23				
FOOTAGE	5,000 - 7,499	42,112	--	105,922	148,034	6,016	--	6,620	6,436
COSTS $		1,454,851	--	4,177,323	5,632,174	207,836	--	261,083	244,877
WELLS		23	27	35	85				
FOOTAGE	7,500 - 9,999	198,929	242,184	300,283	741,396	8,649	8,970	8,580	8,722
COSTS $		11,866,019	22,723,272	13,440,637	48,029,928	515,914	841,603	384,018	565,058
WELLS		67	78	19	164				
FOOTAGE	10,000 - 12,499	697,749	840,948	204,964	1,743,661	10,414	10,781	10,788	10,632
COSTS $		47,278,822	95,509,245	11,316,931	154,104,998	705,654	1,224,478	595,628	939,665
WELLS		--	17	6	23				
FOOTAGE	12,500 - 14,999	--	223,266	82,417	305,683	--	13,133	13,736	13,291
COSTS $		--	32,013,716	10,127,942	42,141,658	--	1,883,160	1,687,990	1,832,246
WELLS		--	2	2	4				
FOOTAGE	15,000 - 17,499	--	32,608	30,828	63,436	--	16,304	15,414	15,859
COSTS $		--	17,868,979	7,039,071	24,908,050	--	8,934,490	3,519,536	6,227,013
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		248	130	196	574				
TOTAL FOOTAGE		1,210,127	1,355,081	1,009,883	3,575,091	4,880	10,424	5,152	6,228
TOTAL COSTS $		75,918,085	168,633,870	53,603,134	298,155,089	306,121	1,297,184	273,485	519,434

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 6

Table 41

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		58	5	19	82				
FOOTAGE	0 - 1,249	34,248	2,351	12,900	49,499	590	470	679	604
COSTS $		1,193,504	123,745	654,198	1,971,447	20,578	24,749	34,431	24,042
WELLS		15	1	10	26				
FOOTAGE	1,250 - 2,499	26,158	2,450	18,474	47,082	1,744	2,450	1,847	1,811
COSTS $		1,039,407	125,531	677,075	1,842,013	69,294	125,531	67,708	70,847
WELLS		9	1	7	17				
FOOTAGE	2,500 - 3,749	29,606	2,600	23,787	55,993	3,290	2,600	3,398	3,294
COSTS $		1,304,707	140,769	895,964	2,341,440	144,967	140,769	127,995	137,732
WELLS		99	2	39	140				
FOOTAGE	3,750 - 4,999	448,310	8,354	170,922	627,586	4,528	4,177	4,383	4,483
COSTS $		22,871,630	457,051	6,761,862	30,090,543	231,027	228,526	173,381	214,932
WELLS		72	75	105	252				
FOOTAGE	5,000 - 7,499	456,306	507,557	643,137	1,607,000	6,338	6,767	6,125	6,377
COSTS $		25,882,977	35,658,108	23,189,324	84,730,409	359,486	475,441	220,851	336,232
WELLS		93	119	95	307				
FOOTAGE	7,500 - 9,999	786,679	1,071,672	808,162	2,666,513	8,459	9,006	8,507	8,686
COSTS $		49,839,149	112,710,464	37,712,777	200,262,390	535,905	947,147	396,977	652,321
WELLS		19	92	40	151				
FOOTAGE	10,000 - 12,499	200,667	992,663	429,233	1,622,563	10,561	10,790	10,731	10,745
COSTS $		16,491,003	119,297,805	29,055,469	164,844,277	867,948	1,296,715	726,387	1,091,684
WELLS		--	2	11	13				
FOOTAGE	12,500 - 14,999	--	26,185	148,002	174,187	--	13,093	13,455	13,399
COSTS $		--	4,423,364	14,376,161	18,799,525	--	2,211,682	1,306,924	1,446,117
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	15,000	15,000	--	--	15,000	15,000
COSTS $		--	--	2,025,000	2,025,000	--	--	2,025,000	2,025,000
WELLS		--	2	--	2				
FOOTAGE	17,500 - 19,999	--	37,454	--	37,454	--	18,727	--	18,727
COSTS $		--	12,473,535	--	12,473,535	--	6,236,768	--	6,236,768
WELLS		1	--	--	1				
FOOTAGE	20,000 & OVER	20,750	--	--	20,750	20,750	--	--	20,750
COSTS $		5,479,430	--	--	5,479,430	5,479,430	--	--	5,479,430
TOTAL WELLS		366	299	327	992				
TOTAL FOOTAGE		2,002,724	2,651,286	2,269,617	6,923,627	5,472	8,867	6,941	6,979
TOTAL COSTS $		124,101,807	285,410,372	115,347,830	524,860,009	339,076	954,550	352,746	529,093

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 7B

Table 42

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		265	62	359	686				
FOOTAGE	0 - 1,249	192,708	49,734	254,038	496,480	727	802	708	724
COSTS $		5,389,710	1,391,669	4,631,378	11,412,757	20,339	22,446	12,901	16,637
WELLS		428	75	381	884				
FOOTAGE	1,250 - 2,499	726,200	136,404	672,641	1,535,245	1,697	1,819	1,765	1,737
COSTS $		21,506,476	5,631,284	12,689,819	39,827,579	50,249	75,084	33,307	45,054
WELLS		390	110	298	798				
FOOTAGE	2,500 - 3,749	1,274,792	345,475	929,730	2,549,997	3,269	3,141	3,120	3,195
COSTS $		46,197,271	14,003,049	19,586,636	79,786,956	118,455	127,300	65,727	99,984
WELLS		499	181	394	1,074				
FOOTAGE	3,750 - 4,999	2,157,777	775,684	1,724,766	4,658,227	4,324	4,286	4,378	4,337
COSTS $		81,103,811	29,365,637	38,446,638	148,916,086	162,533	162,241	97,580	138,656
WELLS		268	45	244	557				
FOOTAGE	5,000 - 7,499	1,581,311	253,401	1,411,139	3,245,851	5,900	5,631	5,783	5,827
COSTS $		68,171,784	10,765,501	35,889,309	114,826,594	254,372	239,233	147,087	206,152
WELLS		--	--	4	4				
FOOTAGE	7,500 - 9,999	--	--	34,343	34,343	--	--	8,586	8,586
COSTS $		--	--	986,496	986,496	--	--	246,624	246,624
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		1,850	473	1,680	4,003				
TOTAL FOOTAGE		5,932,788	1,560,698	5,026,657	12,520,143	3,207	3,300	2,992	3,128
TOTAL COSTS $		222,369,052	61,157,140	112,230,276	395,756,468	120,199	129,296	66,804	98,865

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 7C

Table 43

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
0 - 1,249	WELLS	25	4	38	67	1,029	1,095	711	853
	FOOTAGE	25,714	4,381	27,031	57,126	66,229	63,332	38,441	50,296
	COSTS $	1,655,723	253,329	1,460,767	3,369,819				
1,250 - 2,499	WELLS	75	13	48	136	2,043	1,960	1,837	1,962
	FOOTAGE	153,224	25,477	88,163	266,864	114,091	123,348	70,751	99,680
	COSTS $	8,556,831	1,603,519	3,396,066	13,556,416				
2,500 - 3,749	WELLS	136	13	51	200	2,878	3,314	3,106	2,964
	FOOTAGE	391,378	43,087	158,413	592,878	155,088	185,323	99,739	142,939
	COSTS $	21,091,958	2,409,204	5,086,684	28,587,846				
3,750 - 4,999	WELLS	181	19	126	326	4,345	4,384	4,453	4,389
	FOOTAGE	786,477	83,298	561,127	1,430,902	209,692	229,987	136,902	182,741
	COSTS $	37,954,282	4,369,745	17,249,645	59,573,672				
5,000 - 7,499	WELLS	337	78	134	549	6,727	6,479	6,219	6,568
	FOOTAGE	2,266,868	505,377	833,320	3,605,565	326,541	280,946	224,307	295,962
	COSTS $	110,044,385	22,381,787	30,057,071	162,483,243				
7,500 - 9,999	WELLS	265	53	29	347	8,387	8,805	8,468	8,458
	FOOTAGE	2,222,576	466,666	245,561	2,934,803	464,927	405,506	375,856	448,407
	COSTS $	123,205,602	21,491,840	10,899,812	155,597,254				
10,000 - 12,499	WELLS	41	4	10	55	10,919	11,299	11,157	10,990
	FOOTAGE	447,685	45,194	111,570	604,449	865,280	923,828	767,463	851,753
	COSTS $	35,476,459	3,695,310	7,674,631	46,846,400				
12,500 - 14,999	WELLS	5	3	2	10	13,144	13,102	12,610	13,025
	FOOTAGE	65,720	39,307	25,220	130,247	1,468,130	1,602,871	1,217,938	1,458,514
	COSTS $	7,340,648	4,808,614	2,435,876	14,585,138				
15,000 - 17,499	WELLS	--	--	--	--	--	--	--	--
	FOOTAGE	--	--	--	--	--	--	--	--
	COSTS $	--	--	--	--				
17,500 - 19,999	WELLS	--	--	--	--	--	--	--	--
	FOOTAGE	--	--	--	--	--	--	--	--
	COSTS $	--	--	--	--				
20,000 & OVER	WELLS	--	--	--	--	--	--	--	--
	FOOTAGE	--	--	--	--	--	--	--	--
	COSTS $	--	--	--	--				
TOTAL WELLS		1,065	187	438	1,690	5,971	6,485	4,681	5,694
TOTAL FOOTAGE		6,359,642	1,212,787	2,050,405	9,622,834	324,250	326,275	178,677	286,745
TOTAL COSTS $		345,325,888	61,013,348	78,260,552	484,599,788				

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 8

Table 44

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		7	--	11	18				
FOOTAGE	0 - 1,249	5,999	--	6,317	12,316	857	--	574	684
COSTS $		983,680	--	1,119,947	2,103,627	140,526	--	101,813	116,868
WELLS		246	4	20	270				
FOOTAGE	1,250 - 2,499	423,831	7,630	37,659	469,120	1,723	1,908	1,883	1,737
COSTS $		48,927,546	568,346	2,857,178	52,353,070	198,892	142,087	142,859	193,900
WELLS		519	5	50	574				
FOOTAGE	2,500 - 3,749	1,675,296	16,058	161,026	1,852,380	3,228	3,212	3,221	3,227
COSTS $		93,161,777	1,053,264	9,145,145	103,360,186	179,502	210,653	182,903	180,070
WELLS		545	5	46	596				
FOOTAGE	3,750 - 4,999	2,514,126	22,559	204,596	2,741,281	4,613	4,512	4,448	4,599
COSTS $		122,865,146	1,282,369	10,744,919	134,892,434	225,441	256,474	233,585	226,330
WELLS		417	19	65	501				
FOOTAGE	5,000 - 7,499	2,638,253	115,404	412,166	3,165,823	6,327	6,074	6,341	6,319
COSTS $		130,189,418	6,910,402	24,778,467	161,878,287	312,205	363,705	381,207	323,110
WELLS		620	7	81	708				
FOOTAGE	7,500 - 9,999	5,472,246	57,918	682,946	6,213,110	8,826	8,274	8,431	8,776
COSTS $		300,118,323	4,134,372	36,255,592	340,508,287	484,062	590,625	447,600	480,944
WELLS		220	14	56	290				
FOOTAGE	10,000 - 12,499	2,426,353	159,409	611,603	3,197,365	11,029	11,386	10,921	11,025
COSTS $		184,696,806	18,972,520	46,503,770	250,173,096	839,531	1,355,180	830,424	862,666
WELLS		23	3	6	32				
FOOTAGE	12,500 - 14,999	296,748	38,719	79,327	414,794	12,902	12,906	13,221	12,962
COSTS $		26,706,622	5,043,790	7,533,912	39,284,324	1,161,158	1,681,263	1,255,652	1,227,635
WELLS		--	1	3	4				
FOOTAGE	15,000 - 17,499	--	15,717	51,017	66,734	--	15,717	17,006	16,684
COSTS $		--	2,073,140	11,065,307	13,138,447	--	2,073,140	3,688,436	3,284,612
WELLS		--	12	--	12				
FOOTAGE	17,500 - 19,999	--	218,036	--	218,036	--	18,170	--	18,170
COSTS $		--	60,750,011	--	60,750,011	--	5,062,501	--	5,062,501
WELLS		1	3	--	4				
FOOTAGE	20,000 & OVER	25,000	75,292	--	100,292	25,000	25,097	--	25,073
COSTS $		7,000,000	23,900,200	--	30,900,200	7,000,000	7,966,734	--	7,725,050
TOTAL WELLS		2,598	73	338	3,009				
TOTAL FOOTAGE		15,477,852	726,742	2,246,657	18,451,251	5,958	9,955	6,647	6,132
TOTAL COSTS $		914,649,318	124,688,414	150,004,237	1,189,341,969	352,059	1,708,061	443,800	395,262

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 8A

Table 45

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	6	6				
FOOTAGE	0 - 1,249	--	--	3,355	3,355	--	--	559	559
COSTS $		--	--	173,770	173,770	--	--	28,962	28,962
WELLS		24	--	2	26				
FOOTAGE	1,250 - 2,499	44,828	--	2,843	47,671	1,868	--	1,422	1,834
COSTS $		1,407,149	--	828,770	2,235,919	58,631	--	414,385	85,997
WELLS		150	--	37	187				
FOOTAGE	2,500 - 3,749	446,044	--	119,949	565,993	2,974	--	3,242	3,027
COSTS $		18,104,311	--	2,999,531	21,103,842	120,695	--	81,068	112,855
WELLS		349	4	42	395				
FOOTAGE	3,750 - 4,999	1,659,320	19,285	183,996	1,862,601	4,754	4,821	4,381	4,715
COSTS $		61,621,875	893,507	5,462,393	67,977,775	176,567	223,377	130,057	172,096
WELLS		661	5	114	780				
FOOTAGE	5,000 - 7,499	3,996,343	28,089	703,342	4,727,774	6,046	5,618	6,170	6,061
COSTS $		184,323,027	1,370,625	25,477,542	211,171,194	278,855	274,125	223,487	270,732
WELLS		245	--	127	372				
FOOTAGE	7,500 - 9,999	2,017,250	--	1,076,881	3,094,131	8,234	--	8,479	8,318
COSTS $		109,120,101	--	41,134,976	150,255,077	445,388	--	323,897	403,912
WELLS		41	1	45	87				
FOOTAGE	10,000 - 12,499	463,639	11,175	509,568	984,382	11,308	11,175	11,324	11,315
COSTS $		31,003,061	704,868	22,944,214	54,652,143	756,172	704,868	509,871	628,186
WELLS		14	--	21	35				
FOOTAGE	12,500 - 14,999	181,782	--	276,578	458,360	12,984	--	13,170	13,096
COSTS $		12,932,780	--	13,953,570	26,886,350	923,770	--	664,456	768,181
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		1,484	10	394	1,888				
TOTAL FOOTAGE		8,809,206	58,549	2,876,512	11,744,267	5,936	5,855	7,301	6,220
TOTAL COSTS $		418,512,304	2,969,000	112,974,766	534,456,070	282,016	296,900	286,738	283,081

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 9

Table 46

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		377	1	287	665				
FOOTAGE	0 - 1,249	299,800	619	232,518	532,937	795	619	810	801
COSTS $		5,467,714	7,240	2,942,766	8,417,720	14,503	7,240	10,254	12,658
WELLS		544	6	419	969				
FOOTAGE	1,250 - 2,499	937,657	11,900	716,142	1,665,699	1,724	1,983	1,709	1,719
COSTS $		21,912,429	136,048	9,946,560	31,995,037	40,280	22,675	23,739	33,019
WELLS		91	2	84	177				
FOOTAGE	2,500 - 3,749	280,772	6,594	253,015	540,381	3,085	3,297	3,012	3,053
COSTS $		8,932,577	119,662	4,206,261	13,258,500	98,160	59,831	50,075	74,907
WELLS		304	46	187	537				
FOOTAGE	3,750 - 4,999	1,371,038	210,901	847,691	2,429,630	4,510	4,585	4,533	4,524
COSTS $		47,590,614	6,469,960	18,742,436	72,803,010	156,548	140,651	100,227	135,574
WELLS		351	168	264	783				
FOOTAGE	5,000 - 7,499	2,022,270	1,020,031	1,549,251	4,591,552	5,761	6,072	5,868	5,864
COSTS $		88,610,755	56,349,037	39,125,465	184,085,257	252,452	335,411	148,203	235,103
WELLS		55	13	113	181				
FOOTAGE	7,500 - 9,999	459,254	106,774	961,411	1,527,439	8,350	8,213	8,508	8,439
COSTS $		28,343,309	8,484,254	36,495,519	73,323,082	515,333	652,635	322,969	405,100
WELLS		14	1	2	17				
FOOTAGE	10,000 - 12,499	150,567	11,183	21,403	183,153	10,755	11,183	10,702	10,774
COSTS $		17,435,567	1,126,326	1,389,422	19,951,315	1,245,398	1,126,326	694,711	1,173,607
WELLS		--	--	1	1				
FOOTAGE	12,500 - 14,999	--	--	14,592	14,592	--	--	14,592	14,592
COSTS $		--	--	1,864,537	1,864,537	--	--	1,864,537	1,864,537
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		1,736	237	1,357	3,330				
TOTAL FOOTAGE		5,521,358	1,368,002	4,596,023	11,485,383	3,181	5,772	3,387	3,449
TOTAL COSTS $		218,292,965	72,692,527	114,712,966	405,698,458	125,745	306,720	84,534	121,831

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS RRC DIST. 10

Table 47

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	2	2				
FOOTAGE	0 - 1,249	--	--	1,759	1,759	--	--	880	880
COSTS $		--	--	145,640	145,640	--	--	72,820	72,820
WELLS		102	5	4	111				
FOOTAGE	1,250 - 2,499	234,224	10,018	8,931	253,173	2,296	2,004	2,233	2,281
COSTS $		13,427,381	331,771	560,928	14,320,080	131,641	66,354	140,232	129,010
WELLS		407	24	23	454				
FOOTAGE	2,500 - 3,749	1,375,965	79,355	75,259	1,530,579	3,381	3,306	3,272	3,371
COSTS $		70,529,535	4,063,879	4,324,224	78,917,638	173,291	169,328	188,010	173,827
WELLS		53	7	10	70				
FOOTAGE	3,750 - 4,999	209,469	29,718	40,748	279,935	3,952	4,245	4,075	3,999
COSTS $		11,690,369	1,521,756	4,145,123	17,357,248	220,573	217,394	414,512	247,961
WELLS		69	27	34	130				
FOOTAGE	5,000 - 7,499	463,475	191,412	231,104	885,991	6,717	7,089	6,797	6,815
COSTS $		23,504,655	9,653,498	9,983,193	43,141,346	340,647	357,537	293,623	331,857
WELLS		74	43	49	166				
FOOTAGE	7,500 - 9,999	630,053	370,733	428,824	1,429,610	8,514	8,622	8,752	8,612
COSTS $		34,972,056	19,249,826	15,599,373	69,821,255	472,595	447,670	318,355	420,610
WELLS		25	46	14	85				
FOOTAGE	10,000 - 12,499	277,197	508,524	155,365	941,086	11,088	11,055	11,098	11,072
COSTS $		20,328,062	34,989,626	7,778,198	63,095,886	813,123	760,644	555,586	742,305
WELLS		--	16	9	25				
FOOTAGE	12,500 - 14,999	--	218,842	120,270	339,112	--	13,678	13,363	13,564
COSTS $		--	19,144,773	7,981,553	27,126,326	--	1,196,548	886,839	1,085,053
WELLS		1	8	1	10				
FOOTAGE	15,000 - 17,499	17,164	126,645	16,104	159,913	17,164	15,831	16,104	15,991
COSTS $		1,279,261	17,811,683	1,243,261	20,334,205	1,279,261	2,226,461	1,243,261	2,033,421
WELLS		--	2	1	3				
FOOTAGE	17,500 - 19,999	--	36,098	19,470	55,568	--	18,049	19,470	18,523
COSTS $		--	7,966,616	4,063,149	12,029,765	--	3,983,308	4,063,149	4,009,922
WELLS		--	--	2	2				
FOOTAGE	20,000 & OVER	--	--	46,688	46,688	--	--	23,344	23,344
COSTS $		--	--	10,951,778	10,951,778	--	--	5,475,889	5,475,889
TOTAL WELLS		731	178	149	1,058				
TOTAL FOOTAGE		3,207,547	1,571,345	1,144,522	5,923,414	4,388	8,828	7,681	5,599
TOTAL COSTS $		175,731,319	114,733,428	66,776,420	357,241,167	240,399	644,570	448,164	337,657

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

TEXAS - OFFSHORE

Table 48

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	2,500 - 3,749	--	--	2,800	2,800	--	--	2,800	2,800
COSTS $		--	--	784,209	784,209	--	--	784,209	784,209
WELLS		--	--	1	1				
FOOTAGE	3,750 - 4,999	--	--	4,559	4,559	--	--	4,559	4,559
COSTS $		--	--	979,768	979,768	--	--	979,768	979,768
WELLS		1	9	13	23				
FOOTAGE	5,000 - 7,499	7,007	60,857	86,881	154,745	7,007	6,762	6,683	6,728
COSTS $		3,188,185	21,433,589	17,756,377	42,378,151	3,188,185	2,381,510	1,365,875	1,842,528
WELLS		3	33	44	80				
FOOTAGE	7,500 - 9,999	26,732	291,018	389,157	706,907	8,911	8,819	8,844	8,836
COSTS $		13,022,730	84,124,475	98,018,433	195,165,638	4,340,910	2,549,227	2,227,692	2,439,571
WELLS		3	23	28	54				
FOOTAGE	10,000 - 12,499	34,854	255,614	312,150	602,618	11,618	11,114	11,148	11,160
COSTS $		17,720,766	74,588,056	100,984,031	193,292,853	5,906,922	3,242,959	3,606,573	3,579,497
WELLS		2	23	25	50				
FOOTAGE	12,500 - 14,999	27,672	314,573	336,742	678,987	13,836	13,677	13,470	13,580
COSTS $		20,277,403	199,727,951	128,623,060	348,628,414	10,138,702	8,683,824	5,144,923	6,972,569
WELLS		3	6	11	20				
FOOTAGE	15,000 - 17,499	48,500	97,395	174,896	320,791	16,167	16,233	15,900	16,040
COSTS $		34,133,293	87,639,105	77,077,144	198,849,542	11,377,764	14,606,518	7,007,013	9,942,477
WELLS		--	--	2	2				
FOOTAGE	17,500 - 19,999	--	--	35,900	35,900	--	--	17,950	17,950
COSTS $		--	--	15,814,882	15,814,882	--	--	7,907,441	7,907,441
WELLS		--	--	1	1				
FOOTAGE	20,000 & OVER	--	--	20,300	20,300	--	--	20,300	20,300
COSTS $		--	--	8,440,530	8,440,530	--	--	8,440,530	8,440,530
TOTAL WELLS		12	94	126	232				
TOTAL FOOTAGE		144,765	1,019,457	1,363,385	2,527,607	12,064	10,845	10,821	10,895
TOTAL COSTS $		88,342,377	467,513,176	448,478,434	1,004,333,987	7,361,865	4,973,545	3,559,353	4,329,026

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

UTAH

Table 49

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		6	7	11	24				
FOOTAGE	0 - 1,249	1,303	6,692	6,497	14,492	217	956	591	604
COSTS $		221,555	328,571	751,814	1,301,940	36,926	46,939	68,347	54,248
WELLS		--	3	3	6				
FOOTAGE	1,250 - 2,499	--	5,134	4,553	9,687	--	1,711	1,518	1,615
COSTS $		--	408,172	453,585	861,757	--	136,057	151,195	143,626
WELLS		4	10	8	22				
FOOTAGE	2,500 - 3,749	12,964	33,005	26,561	72,530	3,241	3,301	3,320	3,297
COSTS $		1,487,528	1,746,179	1,470,919	4,704,626	371,882	174,618	183,865	213,847
WELLS		3	7	7	17				
FOOTAGE	3,750 - 4,999	12,379	29,195	29,050	70,624	4,126	4,171	4,150	4,154
COSTS $		1,213,182	1,597,217	2,217,271	5,027,670	404,394	228,174	316,753	295,745
WELLS		105	24	45	174				
FOOTAGE	5,000 - 7,499	621,288	157,577	273,357	1,052,222	5,917	6,566	6,075	6,047
COSTS $		46,903,631	12,105,684	13,252,802	72,262,117	446,701	504,404	294,507	415,300
WELLS		10	5	8	23				
FOOTAGE	7,500 - 9,999	84,636	41,015	62,974	188,625	8,464	8,203	7,872	8,201
COSTS $		4,948,845	4,429,219	6,287,831	15,665,895	494,885	885,844	785,979	681,126
WELLS		14	--	4	18				
FOOTAGE	10,000 - 12,499	153,557	--	45,507	199,064	10,968	--	11,377	11,059
COSTS $		14,456,962	--	10,604,010	25,060,972	1,032,640	--	2,651,003	1,392,276
WELLS		37	1	2	40				
FOOTAGE	12,500 - 14,999	504,740	14,636	26,760	546,136	13,642	14,636	13,380	13,653
COSTS $		80,318,704	4,506,313	7,211,037	92,036,054	2,170,776	4,506,313	3,605,519	2,300,901
WELLS		14	4	6	24				
FOOTAGE	15,000 - 17,499	233,271	62,716	95,055	391,042	16,662	15,679	15,843	16,293
COSTS $		47,311,065	28,518,944	37,689,312	113,519,321	3,379,362	7,129,736	6,281,552	4,729,972
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	17,922	17,922	--	--	17,922	17,922
COSTS $		--	--	6,963,608	6,963,608	--	--	6,963,608	6,963,608
WELLS		--	1	1	2				
FOOTAGE	20,000 & OVER	--	20,600	21,973	42,573	--	20,600	21,973	21,287
COSTS $		--	16,366,494	11,650,381	28,016,875	--	16,366,494	11,650,381	14,008,438
TOTAL WELLS		193	62	96	351				
TOTAL FOOTAGE		1,624,138	370,570	610,209	2,604,917	8,415	5,977	6,356	7,421
TOTAL COSTS $		196,861,472	70,006,793	98,552,570	365,420,835	1,020,008	1,129,142	1,026,589	1,041,085

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

WYOMING

Table 50

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	0 - 1,249	96	--	35	131	572	--	691	604
FOOTAGE		54,871	--	24,197	79,068	13,571	--	73,461	29,572
COSTS $		1,302,832	--	2,571,143	3,873,975				
WELLS	1,250 - 2,499	66	3	17	86	1,812	1,381	1,949	1,824
FOOTAGE		119,623	4,143	33,134	156,900	95,918	48,032	147,996	104,542
COSTS $		6,330,572	144,096	2,515,931	8,990,599				
WELLS	2,500 - 3,749	55	2	24	81	3,222	3,055	3,160	3,200
FOOTAGE		177,231	6,110	75,842	259,183	234,555	283,098	182,720	220,395
COSTS $		12,900,516	566,195	4,385,278	17,851,989				
WELLS	3,750 - 4,999	50	4	15	69	4,449	4,761	4,455	4,468
FOOTAGE		222,460	19,044	66,820	308,324	387,457	383,821	229,702	352,952
COSTS $		19,372,835	1,535,284	3,445,536	24,353,655				
WELLS	5,000 - 7,499	140	10	178	328	6,324	6,412	6,774	6,571
FOOTAGE		885,387	64,118	1,205,860	2,155,365	439,977	630,466	241,814	338,245
COSTS $		61,596,716	6,304,663	43,042,936	110,944,315				
WELLS	7,500 - 9,999	195	17	250	462	8,792	8,850	8,610	8,696
FOOTAGE		1,714,480	150,455	2,152,425	4,017,360	520,889	815,967	324,964	425,727
COSTS $		101,573,264	13,871,433	81,240,995	196,685,692				
WELLS	10,000 - 12,499	78	12	109	199	10,939	11,030	10,740	10,835
FOOTAGE		853,230	132,365	1,170,664	2,156,259	949,176	1,370,534	382,224	664,043
COSTS $		74,035,692	16,446,409	41,662,374	132,144,475				
WELLS	12,500 - 14,999	24	12	40	76	13,198	13,460	13,512	13,404
FOOTAGE		316,745	161,516	540,467	1,018,728	1,312,929	2,676,769	1,282,773	1,512,400
COSTS $		31,510,285	32,121,228	51,310,911	114,942,424				
WELLS	15,000 - 17,499	5	14	9	28	15,453	16,200	16,371	16,122
FOOTAGE		77,265	226,804	147,343	451,412	2,321,261	7,055,749	6,535,317	6,043,023
COSTS $		11,606,304	98,780,482	58,817,850	169,204,636				
WELLS	17,500 - 19,999	--	--	--	--	--	--	--	--
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--				
WELLS	20,000 & OVER	--	2	1	3	--	22,489	21,481	22,153
FOOTAGE		--	44,977	21,481	66,458	--	18,657,877	4,512,905	13,942,885
COSTS $		--	37,315,750	4,512,905	41,828,655				
TOTAL WELLS		709	76	678	1,463	6,236	10,652	8,021	7,293
TOTAL FOOTAGE		4,421,292	809,532	5,438,233	10,669,057	451,663	2,724,810	432,900	561,053
TOTAL COSTS $		320,229,016	207,085,540	293,505,859	820,820,415				

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

APPALACHIAN *

Table 51

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		812	123	63	998				
FOOTAGE	0 - 1,249	766,244	112,271	52,997	931,512	944	913	841	933
COSTS $		23,589,438	2,853,915	1,025,312	27,468,665	29,051	23,203	16,275	27,524
WELLS		601	438	48	1,087				
FOOTAGE	1,250 - 2,499	1,079,503	869,908	94,763	2,044,174	1,796	1,986	1,974	1,881
COSTS $		30,214,506	36,533,527	2,875,851	69,623,884	50,274	83,410	59,914	64,051
WELLS		515	1,568	100	2,183				
FOOTAGE	2,500 - 3,749	1,640,363	5,198,194	321,946	7,160,503	3,185	3,315	3,219	3,280
COSTS $		51,666,662	188,983,397	7,511,396	248,161,455	100,324	120,525	75,114	113,679
WELLS		306	2,068	55	2,429				
FOOTAGE	3,750 - 4,999	1,306,330	8,745,084	229,243	10,280,657	4,269	4,229	4,168	4,232
COSTS $		44,465,529	309,019,268	6,107,290	359,592,087	145,312	149,429	111,042	148,041
WELLS		204	1,187	27	1,418				
FOOTAGE	5,000 - 7,499	1,114,591	6,697,904	156,890	7,969,385	5,464	5,643	5,811	5,620
COSTS $		34,740,004	226,710,788	4,970,469	266,421,261	170,294	190,995	184,091	187,885
WELLS		--	16	13	29				
FOOTAGE	7,500 - 9,999	--	129,540	108,208	237,748	--	8,096	8,324	8,198
COSTS $		--	6,602,358	4,580,772	11,183,130	--	412,647	352,367	385,625
WELLS		--	--	2	2				
FOOTAGE	10,000 - 12,499	--	--	20,573	20,573	--	--	10,287	10,287
COSTS $		--	--	2,715,553	2,715,553	--	--	1,357,777	1,357,777
WELLS		--	1	2	3				
FOOTAGE	12,500 - 14,999	--	13,500	27,800	41,300	--	13,500	13,900	13,767
COSTS $		--	4,522,688	7,101,818	11,624,506	--	4,522,688	3,550,909	3,874,835
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		2,438	5,401	310	8,149				
TOTAL FOOTAGE		5,907,031	21,766,401	1,012,420	28,685,852	2,423	4,030	3,266	3,520
TOTAL COSTS $		184,676,139	775,225,941	36,888,461	996,790,541	75,749	143,534	118,995	122,321

* Includes New York, Ohio, Pennsylvania, and West Virginia.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

OFFSHORE FED - TOTAL *

Table 52

DEPTH INTERVAL (FEET)		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	3	3	6				
FOOTAGE	2,500 - 3,749	--	10,350	8,886	19,236	--	3,450	2,962	3,206
COSTS $		--	7,836,434	15,938,326	23,774,760	--	2,612,145	5,312,776	3,962,460
WELLS		1	1	2	4				
FOOTAGE	3,750 - 4,999	4,947	4,371	8,457	17,775	4,947	4,371	4,229	4,444
COSTS $		818,308	5,989,575	20,686,622	27,494,505	818,308	5,989,575	10,343,311	6,873,627
WELLS		3	2	6	11				
FOOTAGE	5,000 - 7,499	19,403	13,630	38,783	71,816	6,468	6,815	6,464	6,529
COSTS $		14,154,442	10,032,344	24,351,578	48,538,364	4,718,148	5,016,172	4,058,596	4,412,579
WELLS		9	3	28	40				
FOOTAGE	7,500 - 9,999	81,736	22,898	245,424	350,058	9,082	7,633	8,765	8,751
COSTS $		117,409,738	25,887,059	195,123,320	338,420,117	13,045,526	8,629,020	6,968,690	8,460,503
WELLS		9	1	27	37				
FOOTAGE	10,000 - 12,499	102,024	11,350	305,190	418,564	11,336	11,350	11,303	11,313
COSTS $		55,765,732	6,784,768	328,854,731	391,405,231	6,196,193	6,784,768	12,179,805	10,578,520
WELLS		4	2	19	25				
FOOTAGE	12,500 - 14,999	52,308	25,400	257,611	335,319	13,077	12,700	13,558	13,413
COSTS $		28,303,793	8,765,109	171,769,208	208,838,110	7,075,949	4,382,555	9,040,485	8,353,525
WELLS		1	1	14	16				
FOOTAGE	15,000 - 17,499	16,928	15,100	221,499	253,527	16,928	15,100	15,821	15,845
COSTS $		14,697,948	8,184,131	131,010,428	153,892,507	14,697,948	8,184,131	9,357,888	9,618,282
WELLS		--	--	6	6				
FOOTAGE	17,500 - 19,999	--	--	108,769	108,769	--	--	18,128	18,128
COSTS $		--	--	74,837,781	74,837,781	--	--	12,472,964	12,472,964
WELLS		--	--	3	3				
FOOTAGE	20,000 & OVER	--	--	64,432	64,432	--	--	21,477	21,477
COSTS $		--	--	63,207,140	63,207,140	--	--	21,069,047	21,069,047
TOTAL WELLS		27	13	108	148				
TOTAL FOOTAGE		277,346	103,099	1,259,051	1,639,496	10,272	7,931	11,658	11,078
TOTAL COSTS $		231,149,961	73,479,420	1,025,779,134	1,330,408,515	8,561,110	5,652,263	9,497,955	8,989,247

* Includes Offshore Federal Waters-Alaska, and Offshore Federal Waters-Pacific Coast, which are not shown separately.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1985

OFFSHORE FED. - GULF NORTH

Table 53

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	3	3	6				
FOOTAGE	2,500 - 3,749	--	10,350	8,886	19,236	--	3,450	2,962	3,206
COSTS $		--	7,836,434	15,938,326	23,774,760	--	2,612,145	5,312,776	3,962,460
WELLS		--	1	2	3				
FOOTAGE	3,750 - 4,999	--	4,371	8,457	12,828	--	4,371	4,229	4,276
COSTS $		--	5,989,575	20,686,622	26,676,197	--	5,989,575	10,343,311	8,892,066
WELLS		3	2	4	9				
FOOTAGE	5,000 - 7,499	19,403	13,630	25,777	58,810	6,468	6,815	6,444	6,534
COSTS $		14,154,442	10,032,344	12,834,278	37,021,064	4,718,148	5,016,172	3,208,570	4,113,452
WELLS		7	3	22	32				
FOOTAGE	7,500 - 9,999	64,279	22,898	195,900	283,077	9,183	7,633	8,905	8,846
COSTS $		56,306,710	25,887,059	113,627,576	195,821,345	8,043,816	8,629,020	5,164,890	6,119,417
WELLS		9	1	19	29				
FOOTAGE	10,000 - 12,499	102,024	11,350	216,199	329,573	11,336	11,350	11,379	11,365
COSTS $		55,765,732	6,784,768	110,893,311	173,443,811	6,196,193	6,784,768	5,836,490	5,980,821
WELLS		4	2	19	25				
FOOTAGE	12,500 - 14,999	52,308	25,400	257,611	335,319	13,077	12,700	13,558	13,413
COSTS $		28,303,793	8,765,109	171,769,208	208,838,110	7,075,949	4,382,555	9,040,485	8,353,525
WELLS		1	1	14	16				
FOOTAGE	15,000 - 17,499	16,928	15,100	221,499	253,527	16,928	15,100	15,821	15,845
COSTS $		14,697,948	8,184,131	131,010,428	153,892,507	14,697,948	8,184,131	9,357,888	9,618,282
WELLS		--	--	6	6				
FOOTAGE	17,500 - 19,999	--	--	108,769	108,769	--	--	18,128	18,128
COSTS $		--	--	74,837,781	74,837,781	--	--	12,472,964	12,472,964
WELLS		--	--	3	3				
FOOTAGE	20,000 & OVER	--	--	64,432	64,432	--	--	21,477	21,477
COSTS $		--	--	63,207,140	63,207,140	--	--	21,069,047	21,069,047
TOTAL WELLS		24	13	92	129				
TOTAL FOOTAGE		254,942	103,099	1,107,530	1,465,571	10,623	7,931	12,038	11,361
TOTAL COSTS $		169,228,625	73,479,420	714,804,670	957,512,715	7,051,193	5,652,263	7,769,616	7,422,579

APPENDIXES

APPENDIX A

JOINT ASSOCIATION SURVEY ON DRILLING COSTS

CONFIDENTIAL — WELLS DRILLED, FOOTAGE, AND COST IN THE U.S. — CONFIDENTIAL

PAGE

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER
ABC OIL COMPANY 1 J. C. KANE	MONTANA	ON	999	25 017 23459 00 17

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE
EXP-DRY	0	0	3456	08/85	031	15-N	053-E			

COUNTY NAME	LOCATION	TOTAL COST
CLUSTER	958 FNL 388 FWL	

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER
ABC OIL COMPANY 3 HAYES	MONTANA	ON	999	25 033 10432 00 17

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE
DEV-OIL	1	0	2335	04/85	017	019-N	044-E			

COUNTY NAME	LOCATION	TOTAL COST
GARFIELD	348 FSL 457 FWL	

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER
ABC OIL COMPANY 2 B W BOWERS	MONTANA	ON	999	25 083 22106 00 17

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE
DEV-DRY	0	0	10435	11/85	004	025-N	055-E			

COUNTY NAME	LOCATION	TOTAL COST
RICHLAND	120 FSL 234 FEL	

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE

COUNTY NAME	LOCATION	TOTAL COST

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE

COUNTY NAME	LOCATION	TOTAL COST

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE

COUNTY NAME	LOCATION	TOTAL COST

OPERATOR NAME – WELL NUMBER – LEASE NAME	STATE	SHORE	OP CODE	WELL IDENTIFICATION NUMBER

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X COORD or LATITUDE	Y COORD or LONGITUDE

COUNTY NAME	LOCATION	TOTAL COST

INDIVIDUAL SUBMITTING REPORT: _____

TELEPHONE NUMBER: AC _____ _____

INSTRUCTIONS AND DEFINITIONS FOR DRILLING COSTS

1. **WELLS TO BE REPORTED.** Report each domestic well completed by you as OPERATOR (whether actually drilled by you or drilled for you by a contractor), in the survey year. Report each well completed by you as operator regardless of the size of your working interest in the well. Do not report wells drilled by others in which you may have had only a part of a working interest regardless of the size of such interest. Do not report wells started in the survey year or in prior years, but not completed as of December 31 of the survey year. Do not report wells reentered for completion at shallower depths, old wells drilled deeper, old wells worked over, stratigraphic tests, core test, or service wells (including input wells).

2. **SHORE.** Enter "OFF" if well is located offshore, enter "ON" if it is onshore. An offshore well is one which is bottomed at, or produces from, a point which lies seaward of the coastline. If a state agency uses a different basis for classifying onshore and offshore wells, the state classification should be used. In general, the term "coastline" means the line of ordinary low water along that portion of the coast which is in direct contact with the open sea or the line marking the seaward limit of inland waters. For the purposes of the JAS Cook Inlet (Alaska) is classified as "offshore".

3. **OP CODE.** Make no entry. The API will supply the operator code.

4. **WELL IDENTIFICATION NUMBER.** Enter the STATE DESIGNATED API NUMBER if it is available. Where states do not assign API well numbers, or if you do not know the number, leave this item blank.

5. **TYPE.** Insert the classification for each well reported as either an exploratory (EXP) or a development (DEV) well. Exploratory wells include new-field wildcats, new-pool wildcats, deeper-pool tests, shallower-pool tests, and outposts (extensions). Development wells include all wells drilled to produce oil and gas from pools discovered by previous drilling.

   Subclassify all wells as either oil, gas or dry holes, e.g. "EXP-OIL", "DEV-GAS", "EXP-DRY". An oil well is a well completed for the production of crude oil from at least one oil zone or reservoir. A gas well is one which can produce hydrocarbons existing initially in a gaseous phase in the reservoir. So-called gas condensate wells should be reported as gas wells. A dry hole is an exploratory or development well found to be incapable of producing either oil or gas in sufficient quantities to justify completion as an oil or gas well. The state regulatory classification should be used, if available; if not available, use a classification by company engineers.

   Count MULTIPLE COMPLETIONS as one well. (See Item 6 for definition.)

6. **OIL ZONES, GAS ZONES.** Enter the total number of separately producing oil zones and gas zones (reservoirs).

   As noted under Item 5, a multiple completion should be reported as one well. A multiple completion well is a well equipped to produce oil and/or gas separately from more than one reservoir. SUCH WELLS CONTAIN MULTIPLE STRINGS OF TUBING OR OTHER EQUIPMENT WHICH PERMIT PRODUCTION FROM THE VARIOUS COMPLETIONS TO BE MEASURED AND ACCOUNTED FOR SEPARATELY.

   Report a multiple completion well as an oil well if oil is produced from at least one of several zones, even though gas and gas condensate may be produced from one or more zones in the same well. Report a multiple completion well as a gas well if oil is not produced from any of the several zones.

   For a dry hole enter the word "DRY".

7. **DEPTH.** Report for each well the total feet of penetration measured down the well bore. Include all plugged back footage, but exclude bypassed footage resulting from remedial sidetrack drilling operations. For OFFSHORE WELLS drilled from a platform or a barge over water and the reference point is above water, the depth of the water is included in the total length of the well bore.

8. **COMPLETION DATE.** Enter the month and year of completion.

9. **SECTION, TWP, RANGE.** Enter location data if appropriate for area.

10. **COUNTY NAME AND LOCATION.** For each onshore well reported provide the county name, and for state and federal offshore waters provide pseudo-county names. Under location enter the designated block numbers for state and federal offshore wells and any other available information that would be helpful in identifying well locations.

11. **TOTAL COST.** Report the TOTAL cost (tangible and intangible) of each well completed by you as operator in the survey year (whether actually drilled by you or drilled for you by contractors). The TOTAL of such costs should be reported even though you as operator had only a part of a working interest in the well.

    Do not report costs of wells drilled by others in which you had a working interest regardless of the size of such interest. The costs to be reported are those associated with wells which are completed during the survey year and the dollar amount to be reported is the accumulated cost of such wells from the time locations were made until the wells were completed as productive wells or abandoned after drilling was terminated because they were non-productive.

    PLEASE ROUND OFF TOTAL COSTS TO THE NEAREST DOLLAR.

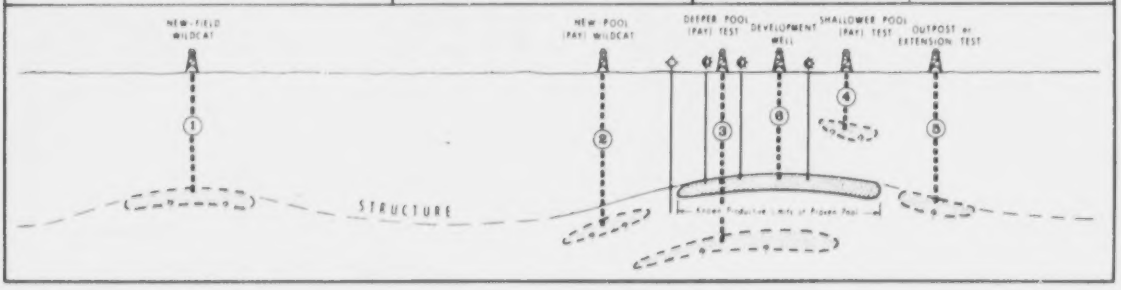
    In general, the elements contributing to reported cost are the expenditures for drilling dry holes and productive wells and equipping new productive wells through the "Christmas tree" installation. More specifically, these cost elements are the costs of labor, materials, supplies, water, fuels, power, and direct overhead (i.e., field, district, and regional), for such operations as site preparation, road building, erecting and dismantling derricks and drilling rigs, drilling hole, running and cementing casing, hauling materials, etc. Include the total cost of water, if purchased, or cost of water well, if drilled and chargeable to oil or gas well drilling operations. Well costs also include machinery and tool charges and rentals, and depreciation charges, where appropriate, for rigs and other equipment and facilities which will be used in drilling more than one well. Deduct the condition value of materials salvaged after use where appropriate.

    Do not report the cost of lease equipment such as artificial lift equipment and downhole lift equipment, flow lines, flow tanks, separators, etc., that are required for production. Do not reduce the costs by test well, bottom hole, or dry hole contributions.

    For OFFSHORE WELLS, include costs on fixed platforms and islands. Where facilities serve more than one well, the costs should be allocated to each well on the basis of the operator's best current estimate of the ultimate number of wells that will use the facility. Also, include cost expirations (depreciation or amortization) for company-owned mobile platforms, barges, and tenders.

AAPG and API Classification of Wells

OBJECTIVE OF DRILLING				INITIAL CLASSIFICATION ◆ WHEN DRILLING IS STARTED	FINAL CLASSIFICATION AFTER COMPLETION OR ABANDONMENT			
					SUCCESSFUL ● ✪ ◆		UNSUCCESSFUL ✧	
Drilling for a **new field** on a structure or in an environment never before productive				1. NEW-FIELD WILDCAT	NEW-FIELD DISCOVERY WILDCAT		DRY NEW FIELD WILDCAT	
Drilling for a **new pool** on a structure or in a geological environment already productive	NEW POOL TESTS	Drilling **outside limits** of a proved area of pool		2. NEW-POOL (PAY) WILDCAT	NEW-POOL DISCOVERY WELLS (Sometimes extension wells)	NEW-POOL DISCOVERY WILDCAT (Sometimes an extension well)	DRY NEW-POOL TESTS	DRY NEW POOL WILDCAT
		Drilling **inside limits** of proved area of pool	For a **new pool below** deepest proven pool	3. DEEPER POOL (PAY) TEST		DEEPER POOL DISCOVERY WELL		DRY DEEPER POOL TEST
			For a **new pool above** deepest proven pool	4. SHALLOWER POOL (PAY) TEST		SHALLOWER POOL DISCOVERY WELL		DRY SHALLOWER POOL TEST
Drilling for **long extension** of a partly developed pool				5. OUTPOST or EXTENSION TEST	EXTENSION WELL (Sometimes a new-pool discovery well)		DRY OUTPOST OR DRY EXTENSION TEST	
Drilling to exploit or **develop** a hydrocarbon accumulation discovered by previous drilling				6. DEVELOPMENT WELL	DEVELOPMENT WELL		DRY DEVELOPMENT WELL	



LAHEE CLASSIFICATION OF WELLS, AS APPLIED BY CSD

Tests drilled with the intent of being completed as hydrocarbon producers if found

NEW FIELD WILDCAT. A new field wildcat is located far from producing pools, and on a structure which has not produced before. In regions where local structure has little or no control on accumulation, these holes are generally at least 2 miles from the nearest productive area. Distance, however, is not the determining factor. The classification is based on the degree of risk assumed by the operator, and his intention to test a structure or stratigraphic condition not previously proved productive.

NEW-POOL (PAY) WILDCAT. A new-pool wildcat is located to explore for new pools on a structure already producing, but off to one side of the presently producing area. In some regions where local structure is almost negligible as a control, exploration holes of this group may be called "near wildcats." Such will usually be less than 2 miles from the nearest productive area. Sometimes a new-pool wildcat may extend a pool already partly developed, if so its final classification is an Extension.

DEEPER-POOL (PAY) TEST. A deeper-pool test is an exploratory hole located within the productive area of a pool, or pools, already partly or wholly developed. It is drilled below the deepest such pool penetrated by it to explore for deeper unknown prospects. Sometimes such a hole extends a deeper pool which has been partly developed in another part of the field.

SHALLOWER-POOL (PAY) TEST. A shallower-pool test is exploratory only if drilled in search of some new productive reservoir, unknown but possibly suspected from data secured from other wells. The test must be located within the productive area of a pool, or pools, previously developed. Sometimes such a test extends a shallower-pool partly developed elsewhere in the same field.

OUTPOST OR EXTENSION TEST. An outpost is located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive area. Sometimes an outpost discovers a new pool.

DEVELOPMENT WELL. A well drilled to exploit a hydrocarbon accumulation discovered by previous drilling.

Tests drilled without the intent of being completed for hydrocarbon production

STRATIGRAPHIC TEST. A drilling effort, geologically directed, to obtain information pertaining to a specific earth condition that might lead toward a possible accumulation of hydrocarbon. It must be drilled without the intention of being completed for hydrocarbon production. This classification includes tests identified as core tests by some operators.

SERVICE WELL. A well that is either drilled or completed for the purpose of supporting production of an existing field through observation, injection, water supply, etc.

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SUMMARY OF SAMPLE DATA - 1985

EXPLORATORY WELLS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		8	4	38	50				
FOOTAGE	0 - 1,249	6,713	4,089	28,515	39,317	839	1,022	750	786
COSTS $		231,636	178,464	1,500,771	1,910,871	28,955	44,616	39,494	38,217
WELLS		16	33	125	174				
FOOTAGE	1,250 - 2,499	31,826	57,041	250,856	339,723	1,989	1,729	2,007	1,952
COSTS $		1,420,053	3,570,277	7,734,197	12,724,527	88,753	108,190	61,874	73,129
WELLS		61	61	364	486				
FOOTAGE	2,500 - 3,749	199,047	187,983	1,161,366	1,548,396	3,263	3,082	3,191	3,186
COSTS $		8,876,354	21,512,194	54,237,366	84,625,914	145,514	352,659	149,004	174,127
WELLS		118	43	566	727				
FOOTAGE	3,750 - 4,999	520,104	181,259	2,477,212	3,178,575	4,408	4,215	4,377	4,372
COSTS $		19,633,355	17,465,650	91,188,935	128,287,940	166,384	406,178	161,111	176,462
WELLS		184	129	837	1,150				
FOOTAGE	5,000 - 7,499	1,138,508	793,911	5,171,209	7,103,628	6,188	6,154	6,178	6,177
COSTS $		83,955,921	44,607,247	220,202,692	348,765,860	456,282	345,793	263,086	303,275
WELLS		143	120	589	852				
FOOTAGE	7,500 - 9,999	1,222,355	1,034,824	5,081,251	7,338,430	8,548	8,624	8,627	8,613
COSTS $		170,758,161	115,187,660	504,282,548	790,228,369	1,194,113	959,897	856,167	927,498
WELLS		99	90	363	552				
FOOTAGE	10,000 - 12,499	1,112,684	999,938	3,984,713	6,097,335	11,239	11,110	10,977	11,046
COSTS $		137,853,068	147,861,444	633,142,773	918,857,285	1,392,455	1,642,905	1,744,195	1,664,597
WELLS		52	63	214	329				
FOOTAGE	12,500 - 14,999	697,922	854,324	2,902,399	4,454,645	13,422	13,561	13,563	13,540
COSTS $		132,686,055	218,229,983	550,964,103	901,880,141	2,551,655	3,463,968	2,574,599	2,741,277
WELLS		12	27	115	154				
FOOTAGE	15,000 - 17,499	194,221	429,545	1,856,377	2,480,143	16,185	15,909	16,142	16,105
COSTS $		66,953,267	163,335,768	585,817,182	816,106,217	5,579,439	6,049,473	5,094,063	5,299,391
WELLS		4	9	35	48				
FOOTAGE	17,500 - 19,999	71,255	166,140	641,279	878,674	17,814	18,460	18,322	18,306
COSTS $		45,747,517	56,540,602	229,449,272	331,737,391	11,436,879	6,282,289	6,555,694	6,911,196
WELLS		--	6	12	18				
FOOTAGE	20,000 & OVER	--	133,104	257,802	390,906	--	22,184	21,484	21,717
COSTS $		--	71,690,741	172,799,744	244,490,485	--	11,948,457	14,399,979	13,582,805
TOTAL WELLS		697	585	3,258	4,540				
TOTAL FOOTAGE		5,194,635	4,842,158	23,812,979	33,849,772	7,453	8,277	7,309	7,456
TOTAL COSTS $		668,115,387	860,180,030	3,051,319,583	4,579,615,000	958,559	1,470,393	936,562	1,008,726

SUMMARY OF SAMPLE DATA - 1985

DEVELOPMENT WELLS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,511	55	158	1,724				
FOOTAGE	0 - 1,249	1,415,430	49,721	128,372	1,593,523	937	904	812	924
COSTS $		91,108,613	2,113,358	6,527,538	99,749,509	60,297	38,425	41,314	57,859
WELLS		2,413	265	262	2,940				
FOOTAGE	1,250 - 2,499	4,075,923	519,829	482,663	5,078,415	1,689	1,962	1,842	1,727
COSTS $		247,983,824	26,168,539	19,146,699	293,299,062	102,770	98,749	73,079	99,762
WELLS		1,891	726	508	3,125				
FOOTAGE	2,500 - 3,749	5,943,553	2,347,519	1,627,585	9,918,657	3,143	3,233	3,204	3,174
COSTS $		298,480,543	100,339,223	47,225,252	446,045,018	157,843	138,208	92,963	142,734
WELLS		1,816	759	596	3,171				
FOOTAGE	3,750 - 4,999	8,098,187	3,227,736	2,599,079	13,925,002	4,459	4,253	4,361	4,391
COSTS $		407,608,648	137,461,766	77,731,366	622,801,780	224,454	181,109	130,422	196,405
WELLS		2,403	1,094	727	4,224				
FOOTAGE	5,000 - 7,499	14,869,022	6,724,017	4,456,924	26,049,963	6,188	6,146	6,131	6,167
COSTS $		931,976,678	400,294,069	202,085,329	1,534,356,076	387,839	365,900	277,972	363,247
WELLS		1,847	684	536	3,067				
FOOTAGE	7,500 - 9,999	15,901,318	5,984,724	4,634,313	26,520,355	8,609	8,750	8,646	8,647
COSTS $		1,280,992,762	560,244,079	292,250,023	2,133,486,864	693,553	819,070	545,243	695,627
WELLS		641	465	324	1,430				
FOOTAGE	10,000 - 12,499	7,068,194	5,132,142	3,605,676	15,806,012	11,027	11,037	11,129	11,053
COSTS $		821,253,981	656,815,489	355,280,230	1,833,349,700	1,281,208	1,412,506	1,096,544	1,282,063
WELLS		151	229	156	536				
FOOTAGE	12,500 - 14,999	2,004,123	3,072,465	2,104,771	7,181,359	13,272	13,417	13,492	13,398
COSTS $		339,801,135	638,099,044	315,021,233	1,292,921,412	2,250,339	2,786,459	2,019,367	2,412,167
WELLS		31	103	65	199				
FOOTAGE	15,000 - 17,499	487,824	1,656,586	1,048,672	3,193,082	15,736	16,083	16,133	16,046
COSTS $		150,403,496	497,661,547	219,115,169	867,180,212	4,851,726	4,831,666	3,371,003	4,357,690
WELLS		8	38	24	70				
FOOTAGE	17,500 - 19,999	145,789	693,778	445,372	1,284,939	18,224	18,257	18,557	18,356
COSTS $		42,382,857	216,820,201	135,875,736	395,078,794	5,297,857	5,705,795	5,661,489	5,643,983
WELLS		1	4	7	12				
FOOTAGE	20,000 & OVER	20,750	95,824	150,294	266,868	20,750	23,956	21,471	22,239
COSTS $		5,479,430	38,539,648	57,984,671	102,003,749	5,479,430	9,634,912	8,283,525	8,500,312
TOTAL WELLS		12,713	4,422	3,363	20,498				
TOTAL FOOTAGE		60,030,113	29,504,341	21,283,721	110,818,175	4,722	6,672	6,329	5,406
TOTAL COSTS $		4,617,471,967	3,274,556,963	1,728,243,246	9,620,272,176	363,209	740,515	513,899	469,327

SUMMARY OF SAMPLE DATA - 1985

SINGLE-COMPLETION WELLS

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS		AVERAGE DEPTH AND COST PER WELL	
		OIL WELLS	GAS WELLS	OIL	GAS
WELLS		1,504	58		
FOOTAGE	0 - 1,249	1,411,542	52,719	939	909
COSTS $		90,577,087	2,194,270	60,224	37,832
WELLS		2,409	283		
FOOTAGE	1,250 - 2,499	4,073,232	547,168	1,691	1,933
COSTS $		247,740,475	27,865,458	102,840	98,465
WELLS		1,897	730		
FOOTAGE	2,500 - 3,749	5,958,587	2,339,964	3,141	3,205
COSTS $		297,009,704	113,355,575	156,568	155,282
WELLS		1,903	753		
FOOTAGE	3,750 - 4,999	8,482,936	3,204,168	4,458	4,255
COSTS $		418,536,615	135,944,624	219,935	180,537
WELLS		2,545	1,160		
FOOTAGE	5,000 - 7,499	15,749,913	7,128,349	6,189	6,145
COSTS $		992,798,334	405,464,495	390,098	349,538
WELLS		1,933	736		
FOOTAGE	7,500 - 9,999	16,632,738	6,440,590	8,605	8,751
COSTS $		1,412,470,135	620,600,300	730,714	843,207
WELLS		712	532		
FOOTAGE	10,000 - 12,499	7,869,993	5,880,554	11,053	11,054
COSTS $		902,033,826	767,489,433	1,266,902	1,442,649
WELLS		192	287		
FOOTAGE	12,500 - 14,999	2,554,767	3,859,447	13,306	13,448
COSTS $		444,050,651	843,418,138	2,312,764	2,938,739
WELLS		40	127		
FOOTAGE	15,000 - 17,499	635,844	2,038,795	15,896	16,054
COSTS $		206,644,563	643,801,541	5,166,114	5,069,304
WELLS		11	47		
FOOTAGE	17,500 - 19,999	199,091	859,918	18,099	18,296
COSTS $		83,578,436	273,360,803	7,598,040	5,816,188
WELLS		1	10		
FOOTAGE	20,000 & OVER	20,750	228,928	20,750	22,893
COSTS $		5,479,430	110,230,389	5,479,430	11,023,039

SUMMARY OF SAMPLE DATA - 1985

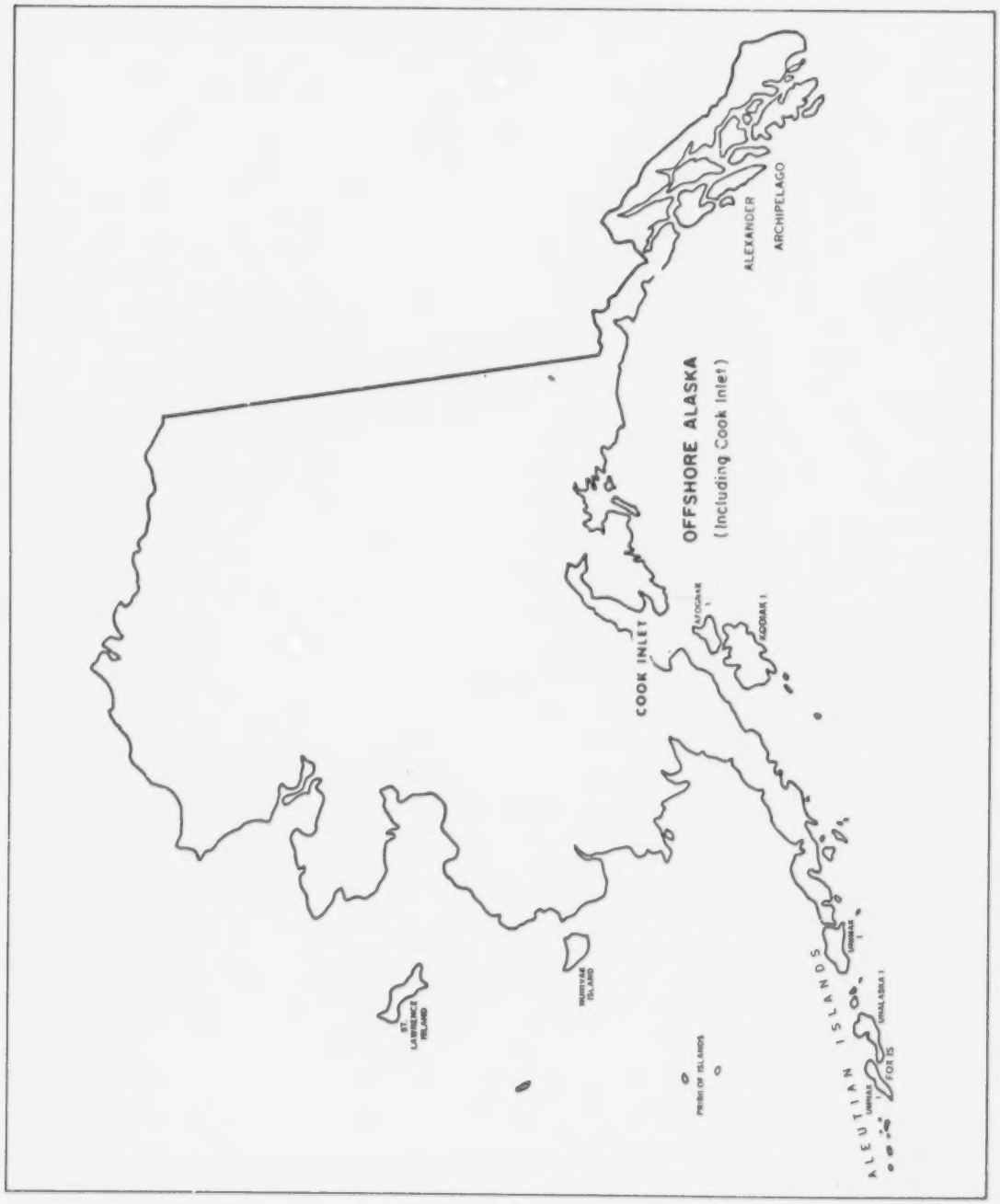
MULTIPLE-COMPLETION WELLS

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS		AVERAGE DEPTH AND COST PER WELL	
		OIL WELLS	GAS WELLS	OIL	GAS
WELLS		15	1		
FOOTAGE	0 - 1,249	10,601	1,091	707	1,091
COSTS $		763,162	97,552	50,877	97,552
WELLS		20	15		
FOOTAGE	1,250 - 2,499	34,517	29,702	1,726	1,980
COSTS $		1,663,402	1,873,358	83,170	124,891
WELLS		55	57		
FOOTAGE	2,500 - 3,749	184,013	195,538	3,346	3,430
COSTS $		10,347,193	8,495,842	188,131	149,050
WELLS		31	49		
FOOTAGE	3,750 - 4,999	135,355	204,827	4,366	4,180
COSTS $		8,705,388	18,982,792	280,819	387,404
WELLS		42	63		
FOOTAGE	5,000 - 7,499	257,617	389,579	6,134	6,184
COSTS $		23,134,265	39,436,821	550,816	625,981
WELLS		57	68		
FOOTAGE	7,500 - 9,999	490,935	578,958	8,613	8,514
COSTS $		39,280,788	54,831,439	689,137	806,345
WELLS		28	23		
FOOTAGE	10,000 - 12,499	310,885	251,526	11,103	10,936
COSTS $		57,073,223	37,187,500	2,038,329	1,616,848
WELLS		11	5		
FOOTAGE	12,500 - 14,999	147,278	67,342	13,389	13,468
COSTS $		28,436,539	12,910,889	2,585,140	2,582,178
WELLS		3	3		
FOOTAGE	15,000 - 17,499	46,201	47,336	15,400	15,779
COSTS $		10,712,200	17,195,774	3,570,733	5,731,925
WELLS		1	--		
FOOTAGE	17,500 - 19,999	17,953	--	17,953	--
COSTS $		4,551,938	--	4,551,938	--
WELLS		--	--		
FOOTAGE	20,000 & OVER	--	--	--	--
COSTS $		--	--	--	--

J.A.S. SAMPLE DISTRIBUTION 1981-1985

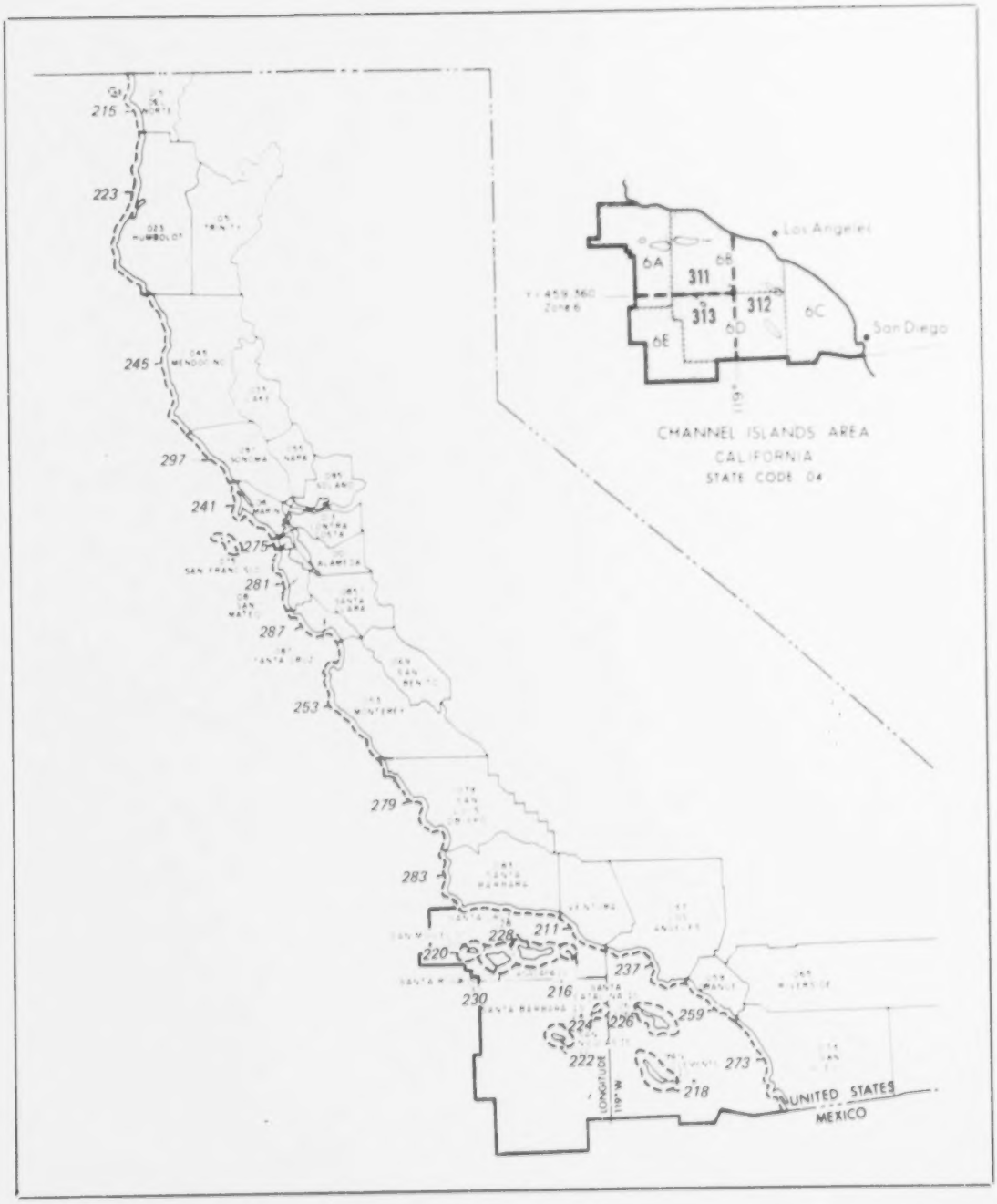
No. of Wells Drilled	1981		1982		1983		1984		1985	
	No. of Co's	No. of wells	No. of Co's	No. of wells	No. of Co's	No. of wells	No. of Co's	No. of Wells	No. of Co's	No. of wells
1-4	697	1,484	813	1,724	735	1,508	740	1,550	719	1,491
5-9	350	2,354	315	2,122	315	2,087	291	1,912	281	1,818
10-24	298	4,592	320	4,772	283	4,198	255	3,901	256	3,916
25-49	120	4,110	105	3,631	86	2,876	87	2,968	66	2,209
50-99	67	4,501	36	2,463	28	1,859	38	2,629	31	2,032
100 & over	38	13,403	40	11,828	28	10,110	26	10,483	33	13,572
Total	1,570	30,444	1,629	26,540	1,475	22,638	1,437	23,443	1,386	25,038

MAP I
SUBDIVISIONS OF ALASKA

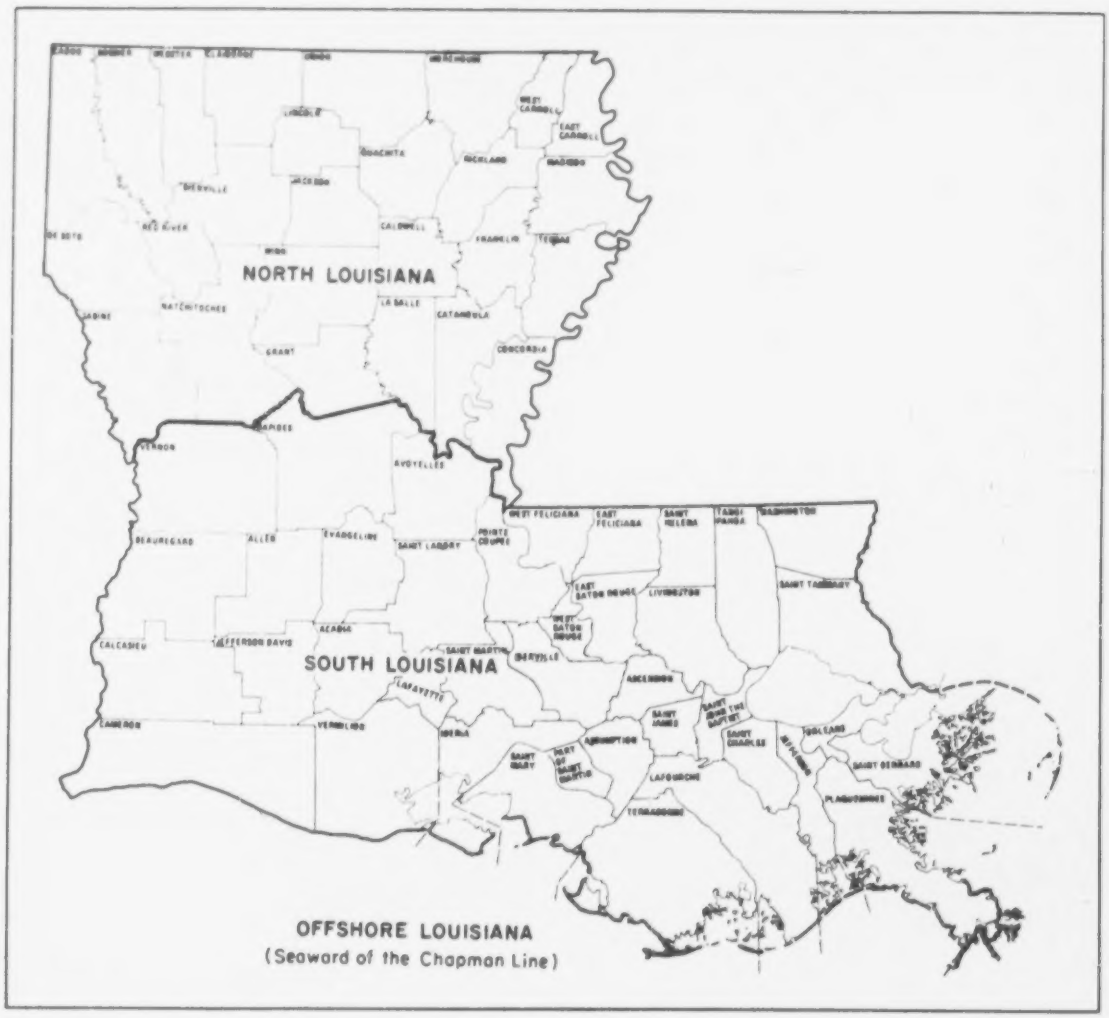


MAP II
SUBDIVISIONS OF CALIFORNIA

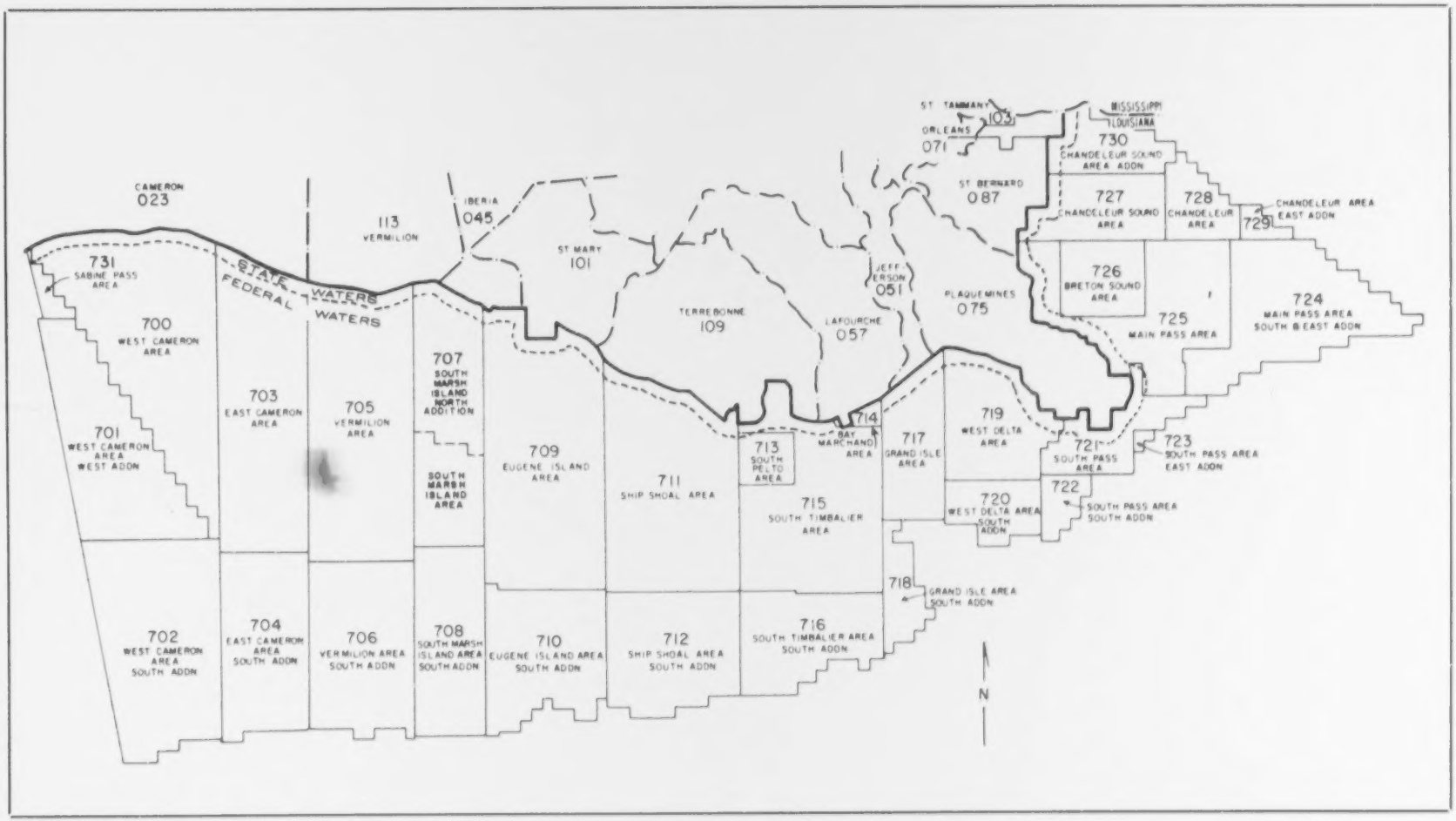
MAP III
CALIFORNIA OFFSHORE



MAP IV
SUBDIVISIONS OF LOUISIANA

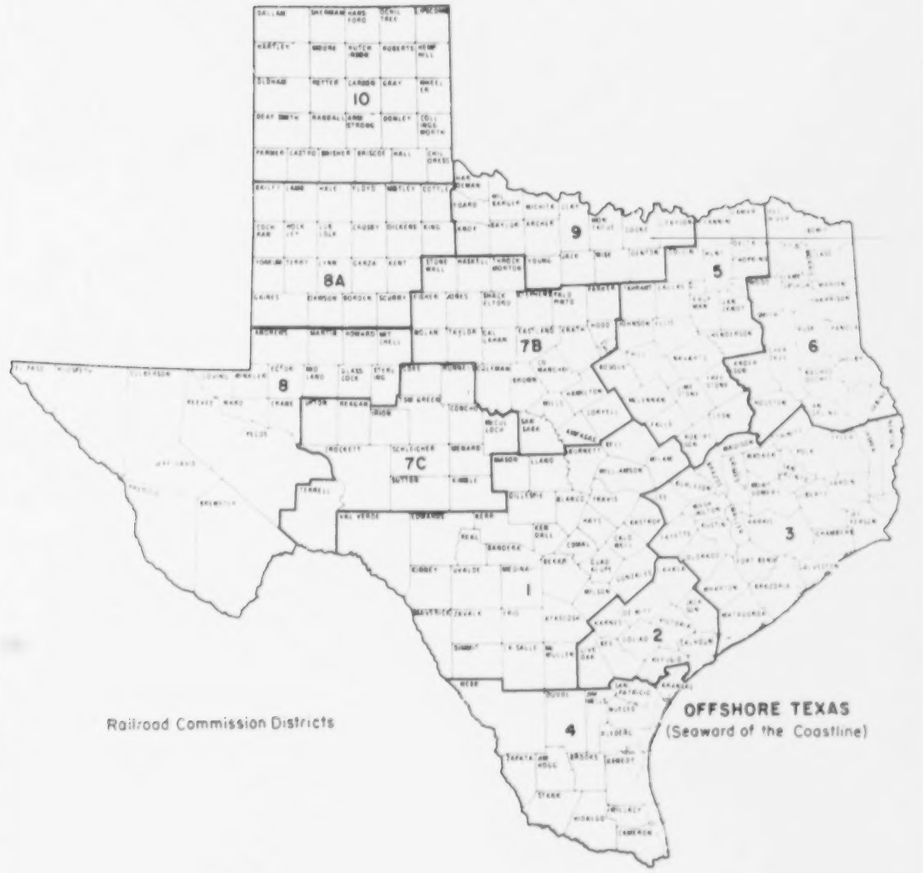


MAP V
LOUISIANA OFFSHORE

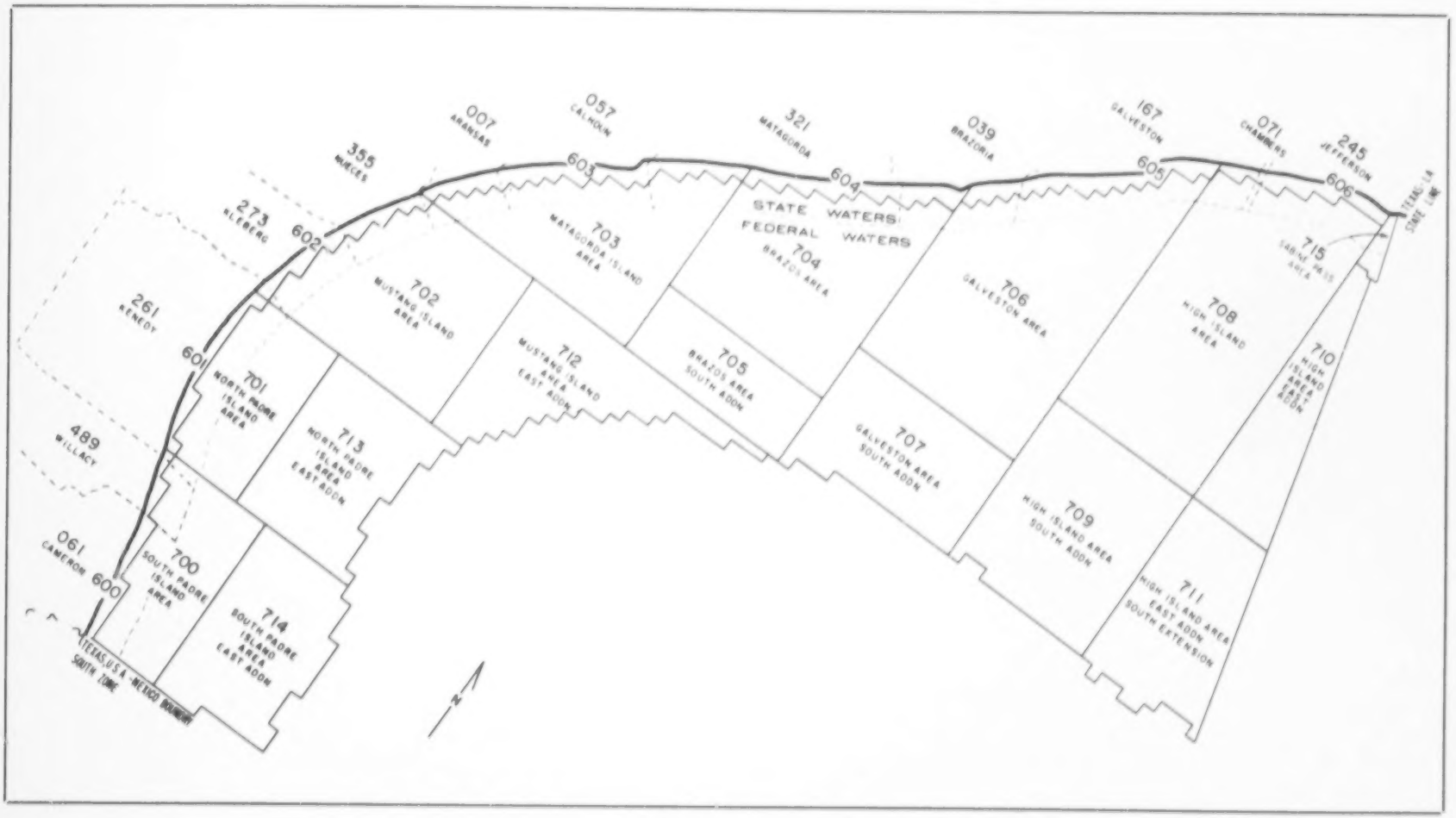

CAMERON 023
113 VERMILION
IBERIA 045
ST MARY 101
TERREBONNE 109
LAFOURCHE 057
JEFFERSON 051
PLAQUEMINES 075
ST BERNARD 087
ST TAMMANY 103
ORLEANS 071
MISSISSIPPI
LOUISIANA
STATE WATERS
FEDERAL WATERS
731 SABINE PASS AREA
700 WEST CAMERON AREA
701 WEST CAMERON AREA WEST ADDN
702 WEST CAMERON AREA SOUTH ADDN
703 EAST CAMERON AREA
704 EAST CAMERON AREA SOUTH ADDN
705 VERMILION AREA
706 VERMILION AREA SOUTH ADDN
707 SOUTH MARSH ISLAND NORTH ADDITION
SOUTH MARSH ISLAND AREA
708 SOUTH MARSH ISLAND AREA SOUTH ADDN
709 EUGENE ISLAND AREA
710 EUGENE ISLAND AREA SOUTH ADDN
711 SHIP SHOAL AREA
712 SHIP SHOAL AREA SOUTH ADDN
713 SOUTH PELTO AREA
714 BAY MARCHAND AREA
715 SOUTH TIMBALIER AREA
716 SOUTH TIMBALIER AREA SOUTH ADDN
717 GRAND ISLE AREA
718 GRAND ISLE AREA SOUTH ADDN
719 WEST DELTA AREA
720 WEST DELTA AREA SOUTH ADDN
721 SOUTH PASS AREA
722 SOUTH PASS AREA SOUTH ADDN
723 SOUTH PASS AREA EAST ADDN
724 MAIN PASS AREA SOUTH & EAST ADDN
725 MAIN PASS AREA
726 BRETON SOUND AREA
727 CHANDELEUR SOUND AREA
728 CHANDELEUR AREA
729 CHANDELEUR AREA EAST ADDN
730 CHANDELEUR SOUND AREA ADDN
N

MAP VI
SUBDIVISIONS OF NEW MEXICO

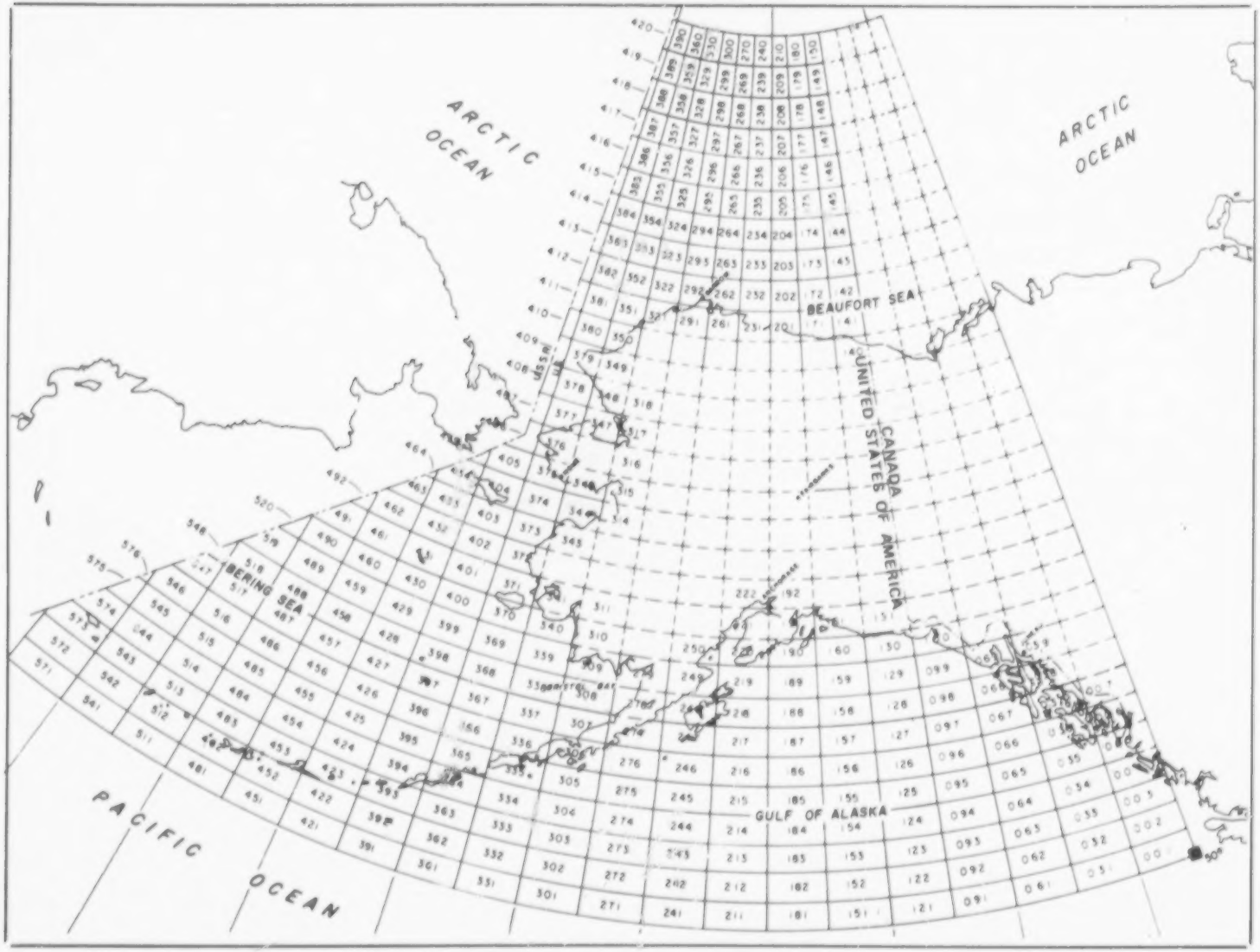
MAP VII
SUBDIVISIONS OF TEXAS



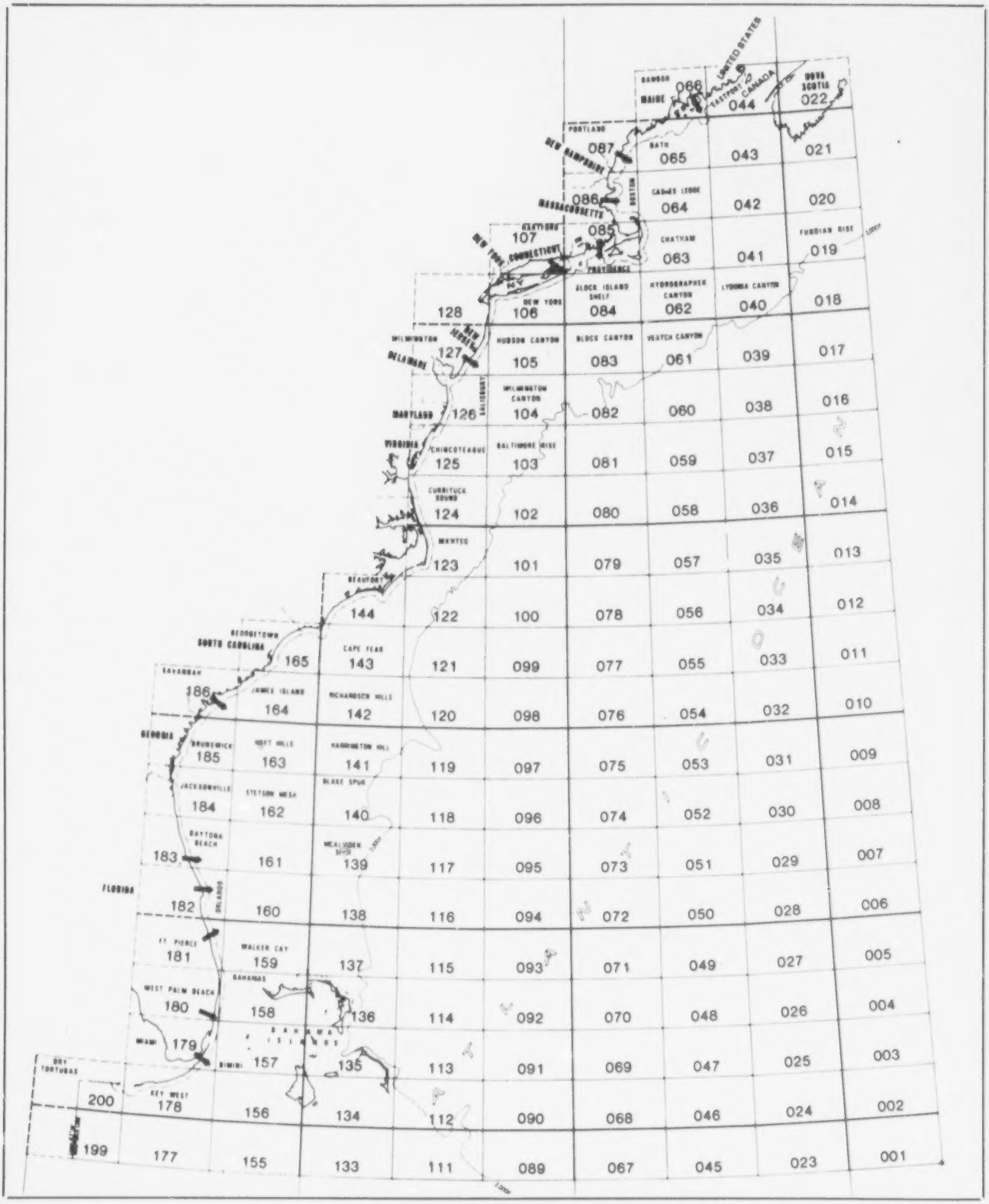
MAP VIII
TEXAS OFFSHORE



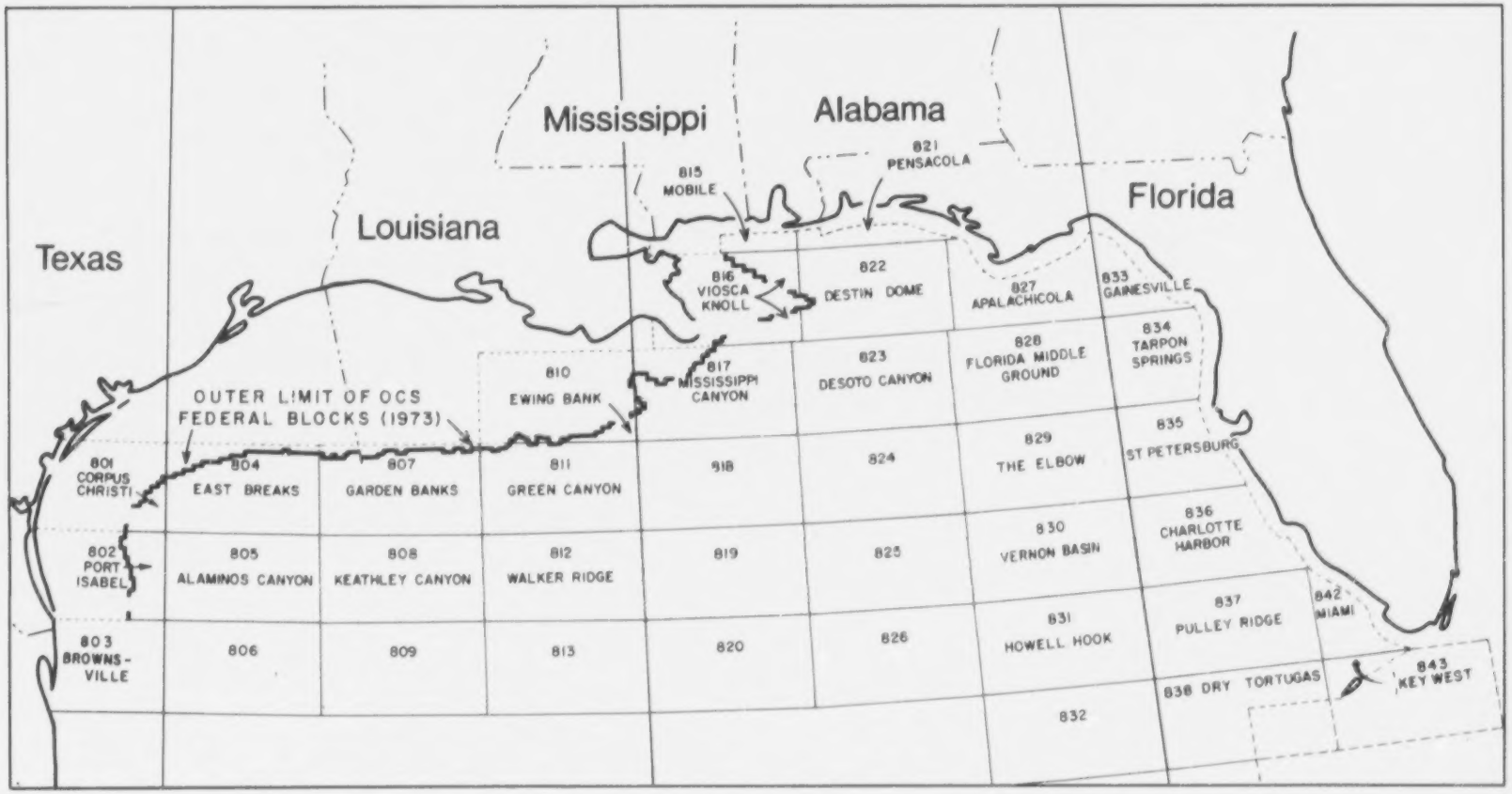
MAP IX
SUBDIVISIONS OF
OFFSHORE FEDERAL WATERS
ALASKA



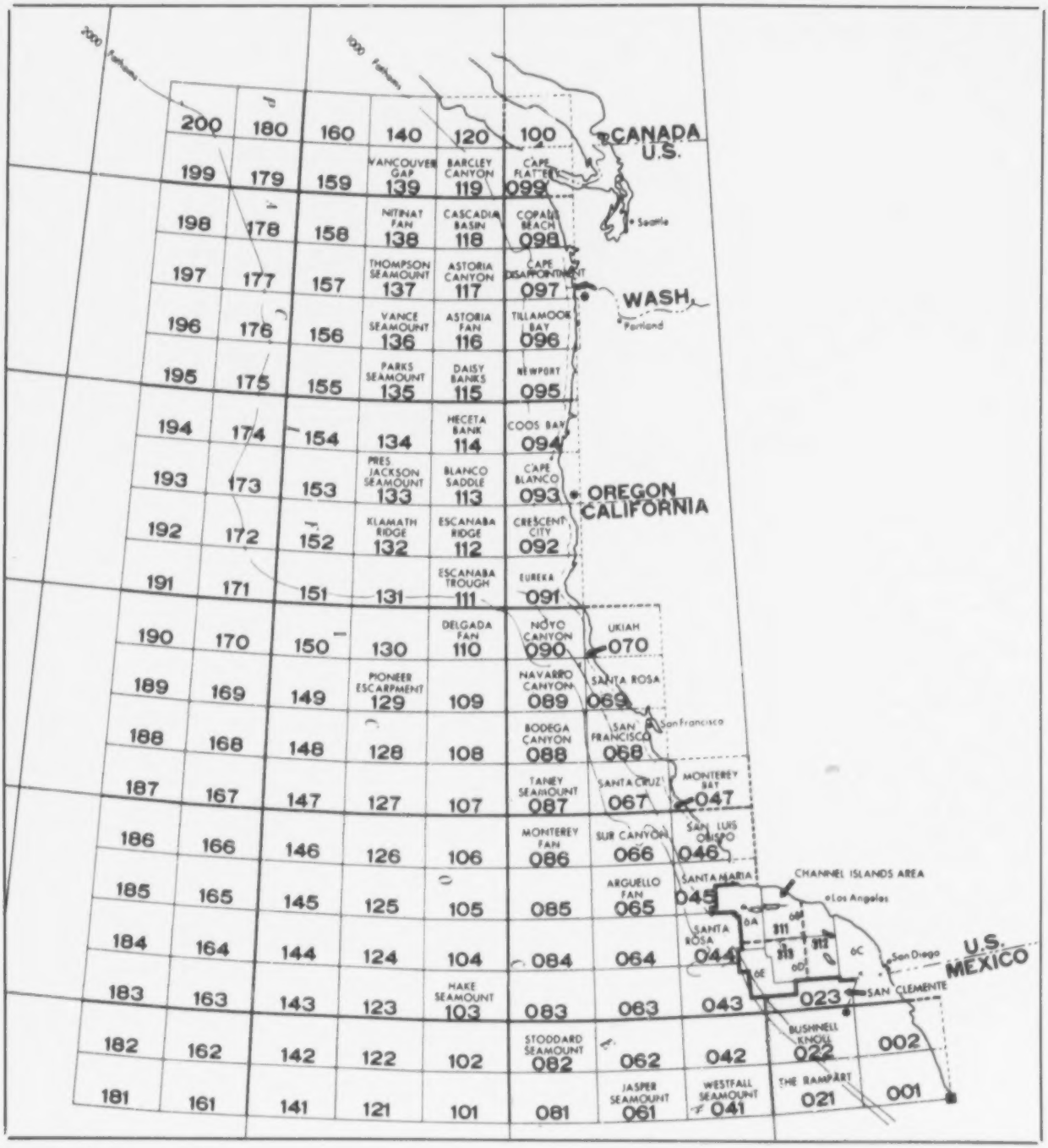
MAP X
SUBDIVISIONS OF OFFSHORE FEDERAL WATERS
ATLANTIC COAST



MAP XI
SUBDIVISIONS OF
OFFSHORE FEDERAL WATERS
GULF OF MEXICO—Northern



MAP XII
SUBDIVISIONS OF
OFFSHORE FEDERAL WATERS
PACIFIC COAST



JOINT ASSOCIATION SURVEY METHODOLOGY

API publishes annual estimates of drilling costs in the U.S. based on a sample of approximately 37 percent of all wells drilled and 63 percent of total drilling costs. The results, published in the Joint Association Survey (JAS), show estimated average drilling costs and total drilling expenditures by state (or other political region), by depth, and by well type. API has cost data only for those wells within the JAS sample. Drilling costs for wells not in the sample must be estimated using the information available from other sources on their depth, location, and well type, and the relationship of these variables to drilling cost as observed in the sample.

REGRESSION ESTIMATES OF WELL COSTS. The current JAS methodology, implemented in the 1978 survey, estimates these nonsample costs using standard multiple regression analysis. A "best fit" equation is estimated from the sample data for a given area, and this equation is then used to estimate the cost of nonsample wells based on their depth, location, and well type.

The particular functional form for the regression equation is:

(1) $$\log(\text{cost per foot}) = a + b\ 1/\text{depth} + c\ \text{depth} + d\ \text{depth}^2 + p_1 I_1 + \ldots + p_9 I_9$$

where depth is in thousands of feet and I_1 through I_9 are indicator variables for well type.[1]

Except for the 1/depth term, this equation is a polynomial, a functional form often used in regression analysis when an *a priori* functional form has not been specified. (Higher order polynomials were investigated but did not improve the fit noticeably). The 1/depth term helps to reflect the decreasing cost per foot observed in the shallower depths in some areas. (As depth increases, 1/depth gets smaller, so that this term's contribution to estimated cost per foot can be larger for shallower depths but quite small at greater depths).

The inclusion of indicator variables allows the level of costs to vary by well type. Since the above equation is in log form, this means that different well types are estimated to be proportional to one another, with the proportions being determined by the regression coefficients of the indicator variables. (When oil, gas, or dry data are regressed separately, fewer indicator variables are needed since there are fewer well types involved in each regression).

[1] An indicator variable takes on the value 1 if the observation is a member of a certain class and 0 if it is not.
In the above equation, the nine indicator variables identify whether a well is one of the ten well types (for example, exploratory oil single completion, development gas multiple completion, exploratory dry, and so on). The tenth well type is identified when all indicator variables are 0.

Because equation (1) is in log form, estimates based on it will be biased downwards. Multiplying the original estimates by the correction factor

(2) $$\frac{\text{sum of actual costs for sample}}{\text{sum of estimated costs for sample}}$$

yields unbiased estimates.

PROCEDURE. Once the JAS sample data have been collected and verified, regression estimates for each geographic area are made using equations (1) and (2). In some areas, oil, gas, and dry wells are combined in one equation. When the sample is large enough, a separate equation is used for each of these three well categories. Inevitably, some nonsample wells fall outside the depth range of the sample. Since, statistically speaking, there is no reason to expect the regression estimates to be "reasonable" for these depths where there is no sample, some of these costs must be estimated independently based on costs in similar areas and previous year's data. This was necessary for approximately 4.2 percent of all unreported wells in 1985.